

**PHILIPS**

---

**17PT136A**

---

**MODEL**

---

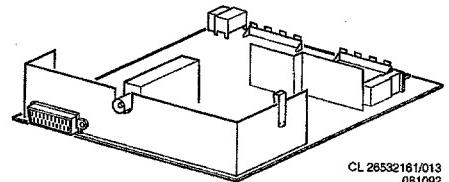
**SERVICE MANUAL**

---

# Service Service Service

# Anubis A

AC



# Service Manual

## Table of contents

## Page

2. Technical specification and connection facilities	2.1
3. Warnings and remarks	3.1
4. Mechanical instructions	4.1
5. Detailed blockdiagram for fault diagnosis	5.1
6. Electrical diagrams and print lay-outs	
Controls (diagram A)	6.1
Power supply and synchronisation (diagram B)	6.9
Tuner, IF and source selection (diagram C)	6.12
Video, sound and CRT panel (diagram D)	6.15
Teletext module (Diagram E)	6.21
7. Electrical adjustments	7.1
8. List of error messages	8.1
9. Operating instructions	9.1
10. Spare parts list	10.1

# Technical specification and connection facilities

Mains voltage	: 220-240 V ± 10 %
Aerial input impedance	: 75Ω - coax
Minimum aerial input VHF	: 30 µV
Minimum aerial input UHF	: 40 µV
Maximum aerial input	: 180 mV
Pull-in range colour sync	: ± 300 Hz
Pull-in range horizontal sync	: ± 600 Hz
Pull-in range vertical sync	: ± 5 Hz
Picture tube range	: 14", 15", 17" and 21"

**Euroconnector:**

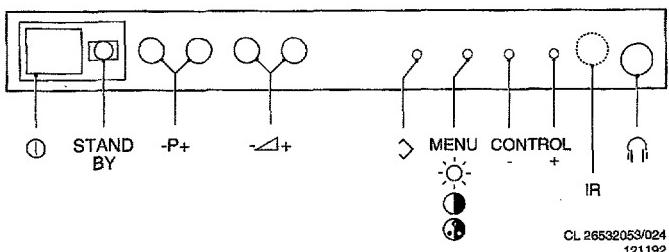
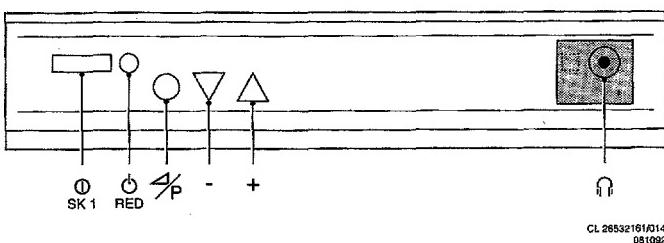
1 - Audio	⊕ R (0,5V RMS ≤ 1kΩ)
2 - Audio	⊖ R (0,2 - 2V RMS ≥ 10kΩ)
3 - Audio	⊕ L (0,5V RMS ≤ 1kΩ)
4 - Audio	⊥
5 - Blue	⊥
6 - Audio	⊖ L (0,2 - 2V RMS ≥ 10kΩ)
7 - Blue (0,7V <sub>pp</sub> /75Ω)	
8 - CVBS-status 1	⊖ (0-2V int.)(10-12V ext.)
9 - Green	⊥
10 -	
11 - Green (0,7V <sub>pp</sub> /75Ω)	
12 -	
13 - Red	⊥
14 -	
15 - Red (0,7V <sub>pp</sub> /75Ω)	
16 - RGB-status (0-0,4V int.)(1-3V ext. 75Ω)	
17 - CVBS	⊥
18 - CVBS	⊥
19 - CVBS	⊕ (1V <sub>pp</sub> /75Ω)
20 - CVBS	⊖ (1V <sub>pp</sub> /75Ω)
21 - Earthscreen	

**CINCH:**

◎ CINCH	Audio ⊕ (0,2V <sub>eff</sub> - 2V <sub>eff</sub> ≥ 10kΩ)
◎ CINCH	CVBS ⊕ (1V <sub>pp</sub> /75Ω)

**Head phone:**

◎  8 - 600Ω/15mW

**8 local controls version:****3 local controls version:**

# Mechanical instructions

## 1. Servicing position

To facilitate troubleshooting and repairing the set, the chassis can, after disconnection of the degaussing coil, be pulled out of the cabinet, turned 180°, and placed behind it (see Fig. 5).

## 2. Flat square picture tube fixation.

**Demounting the picture tube:**

Loosen the nuts by turning them with a box spanner hexagon (10 mm) **clockwise**, (see Fig. 6).

**Mounting the picture tube:**

Turn the spindles **countrerclockwise** into the mask with a box spanner hexagon (4 mm).

Locate the picture tube in the mask. The easiest way is placing the cabinet with the front facing down. Position the picture tube in the middle of the mask. Turn the spindles **clockwise** until the nut can be fixed onto the spindle.

Turn the nut **countrerclockwise** finger-tight against the picture tube fixation.

Turn the spindle **clockwise** until the whole has been fixed tightly (the nut must not turn any more).

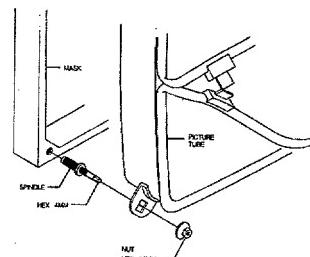


Fig. 6

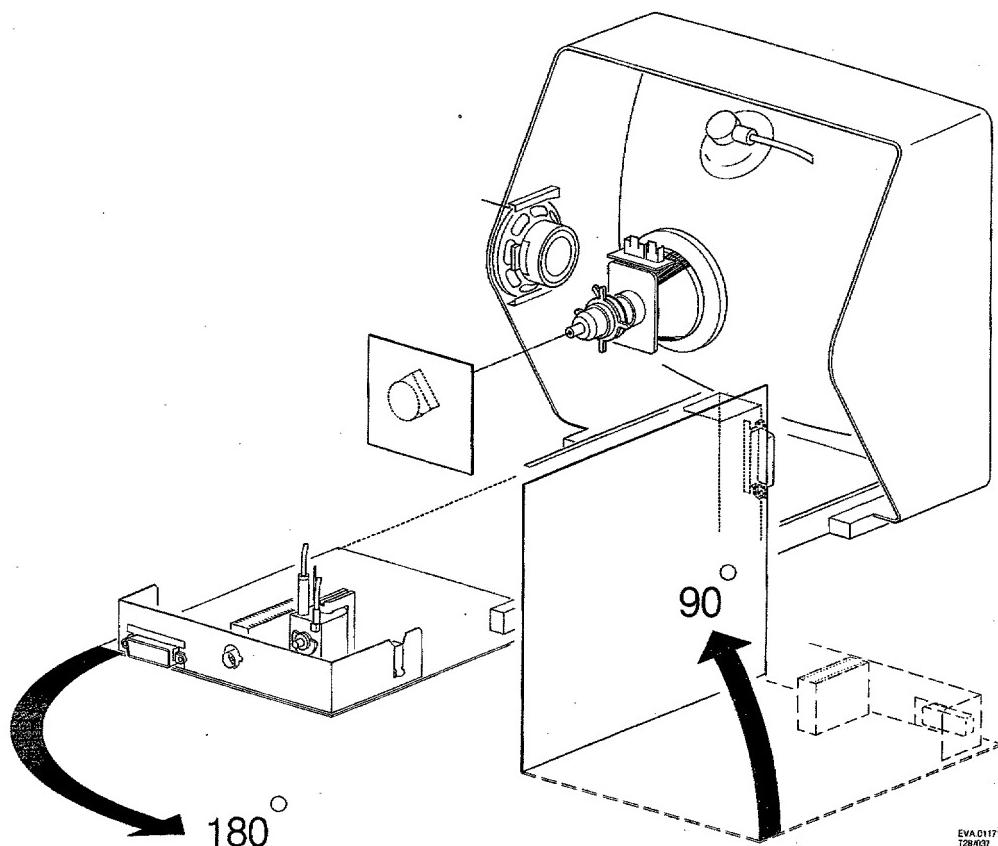
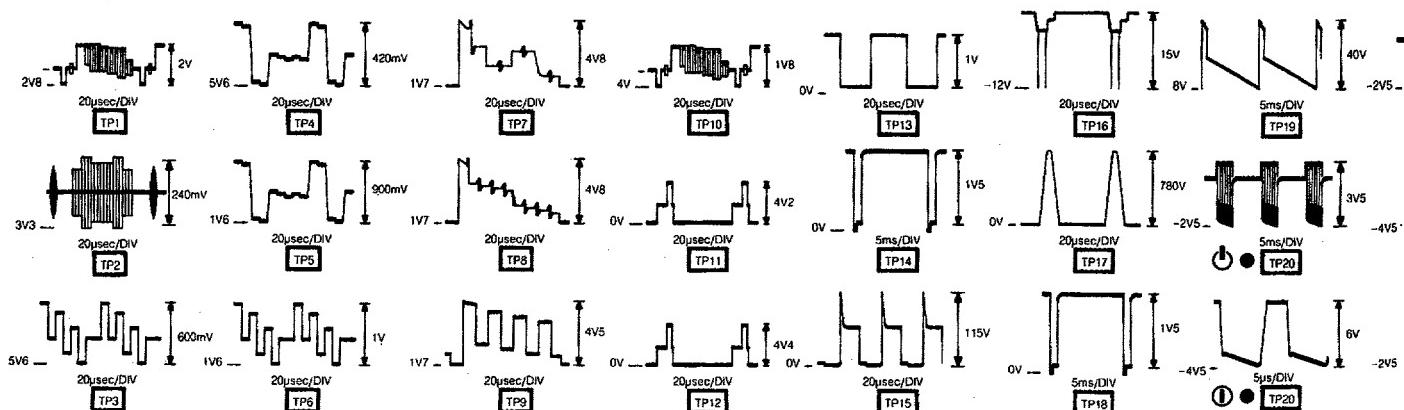
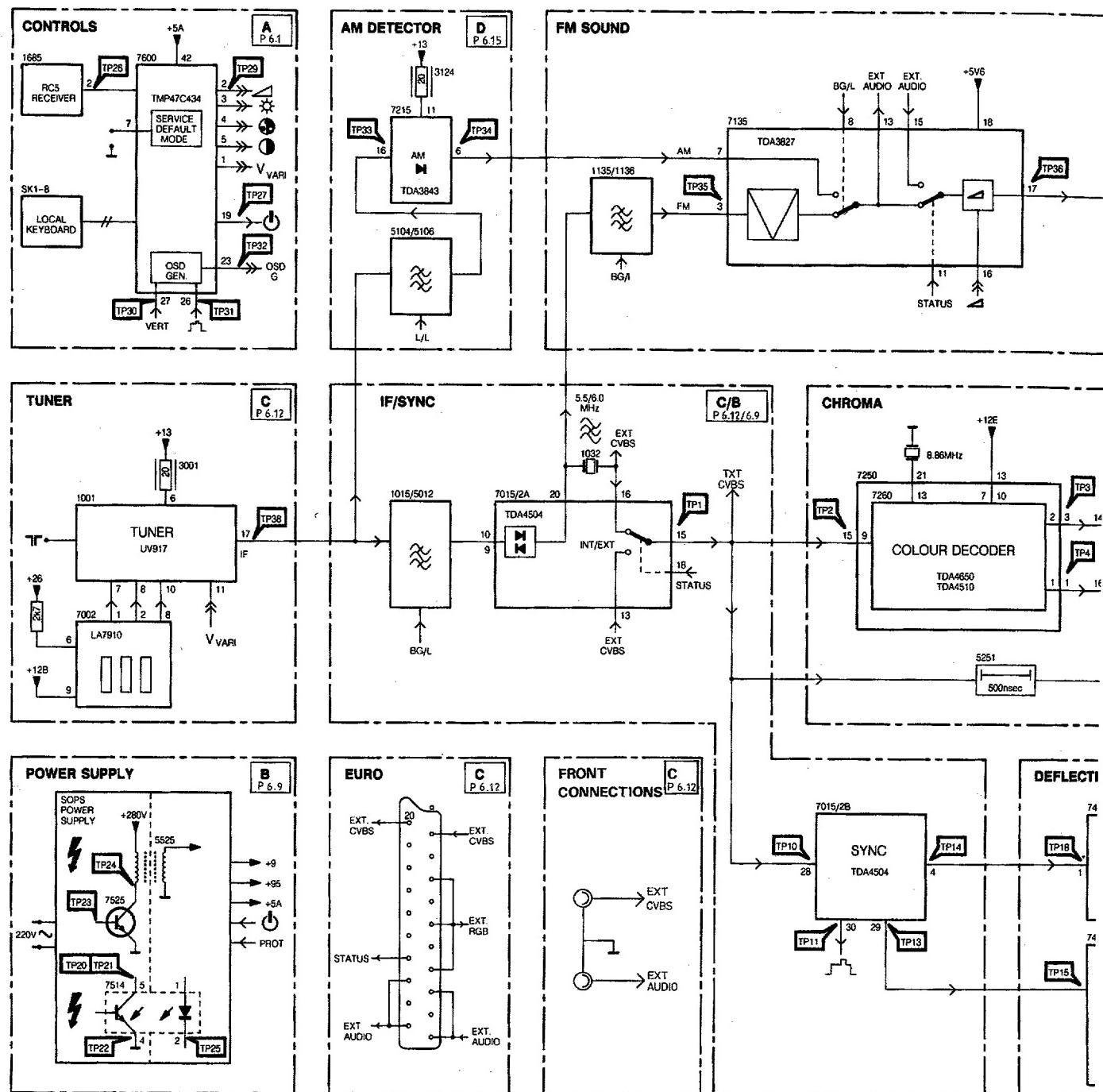


Fig. 5

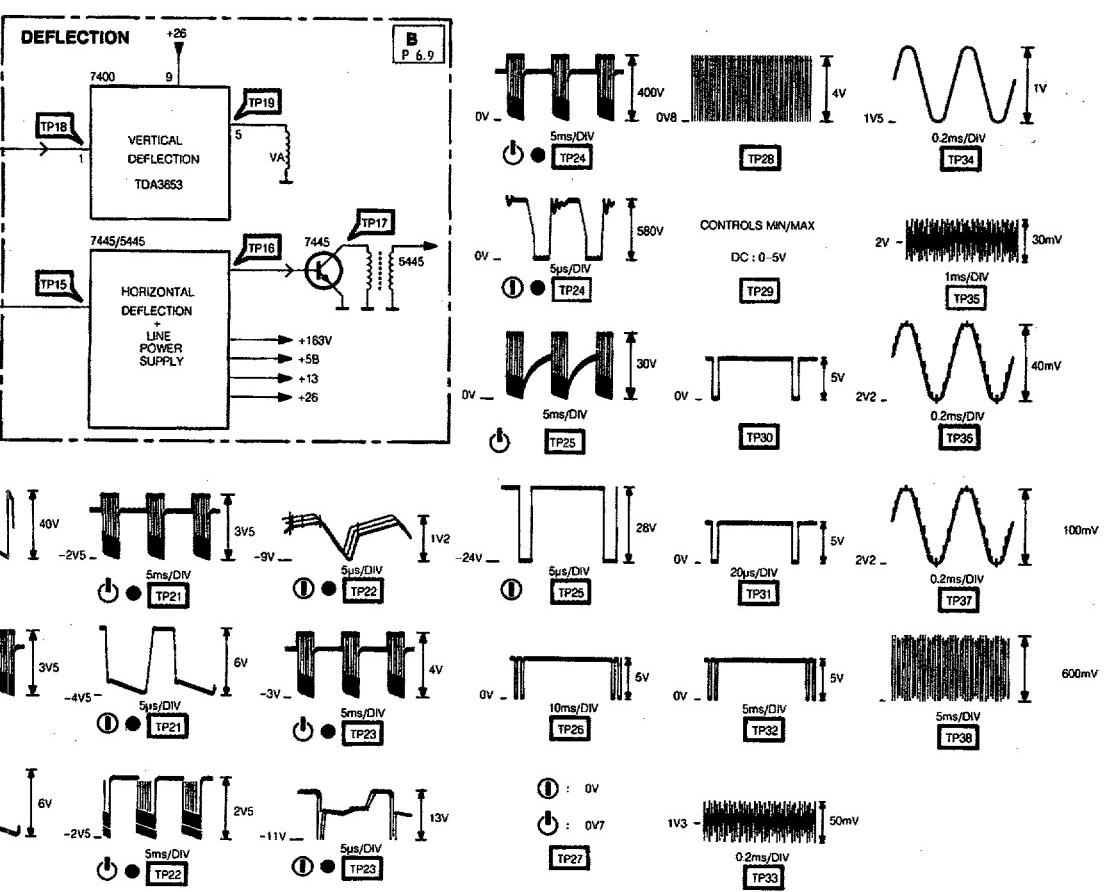
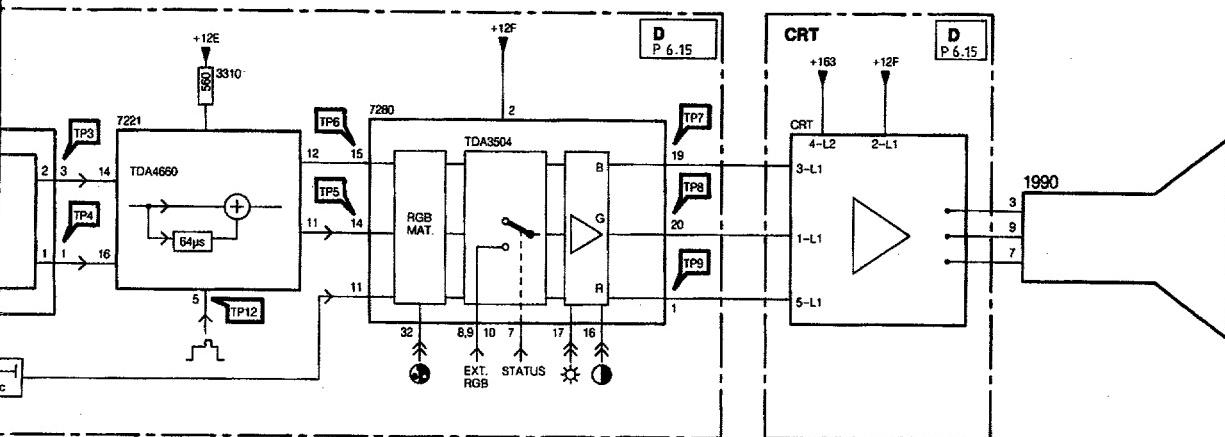
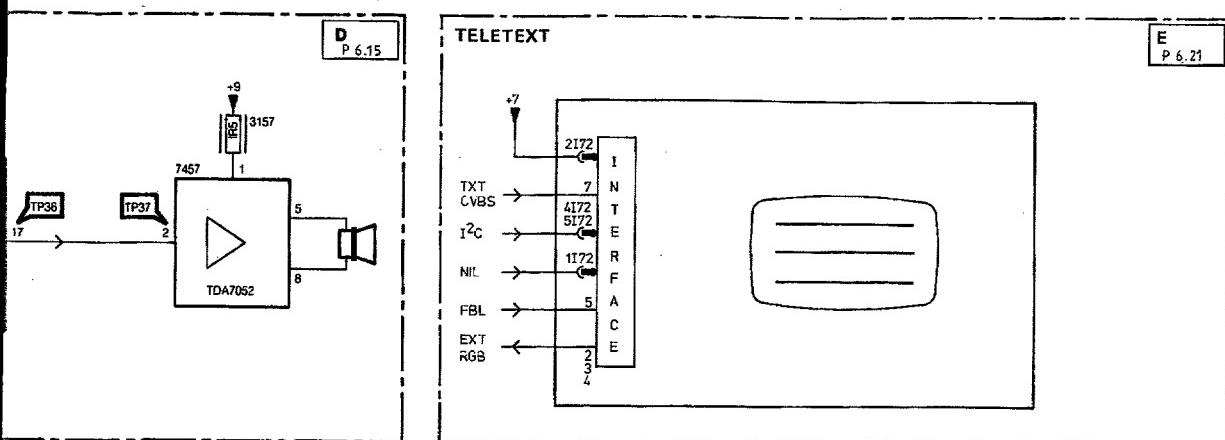
EVA 01171  
T-21041

# Block diagram / Blockschaltbild / Schéma-bloc

ANUBIS A 5.1

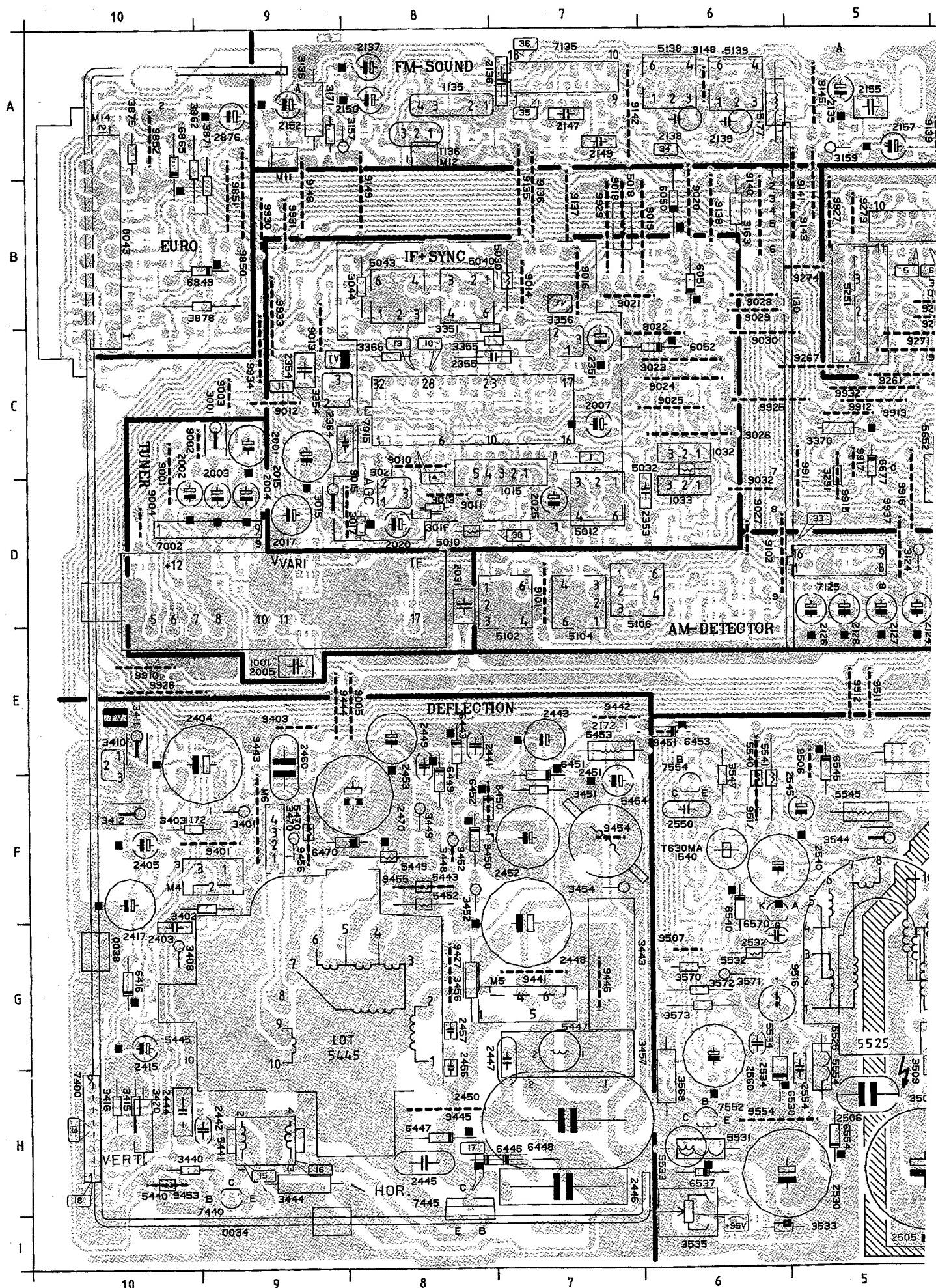


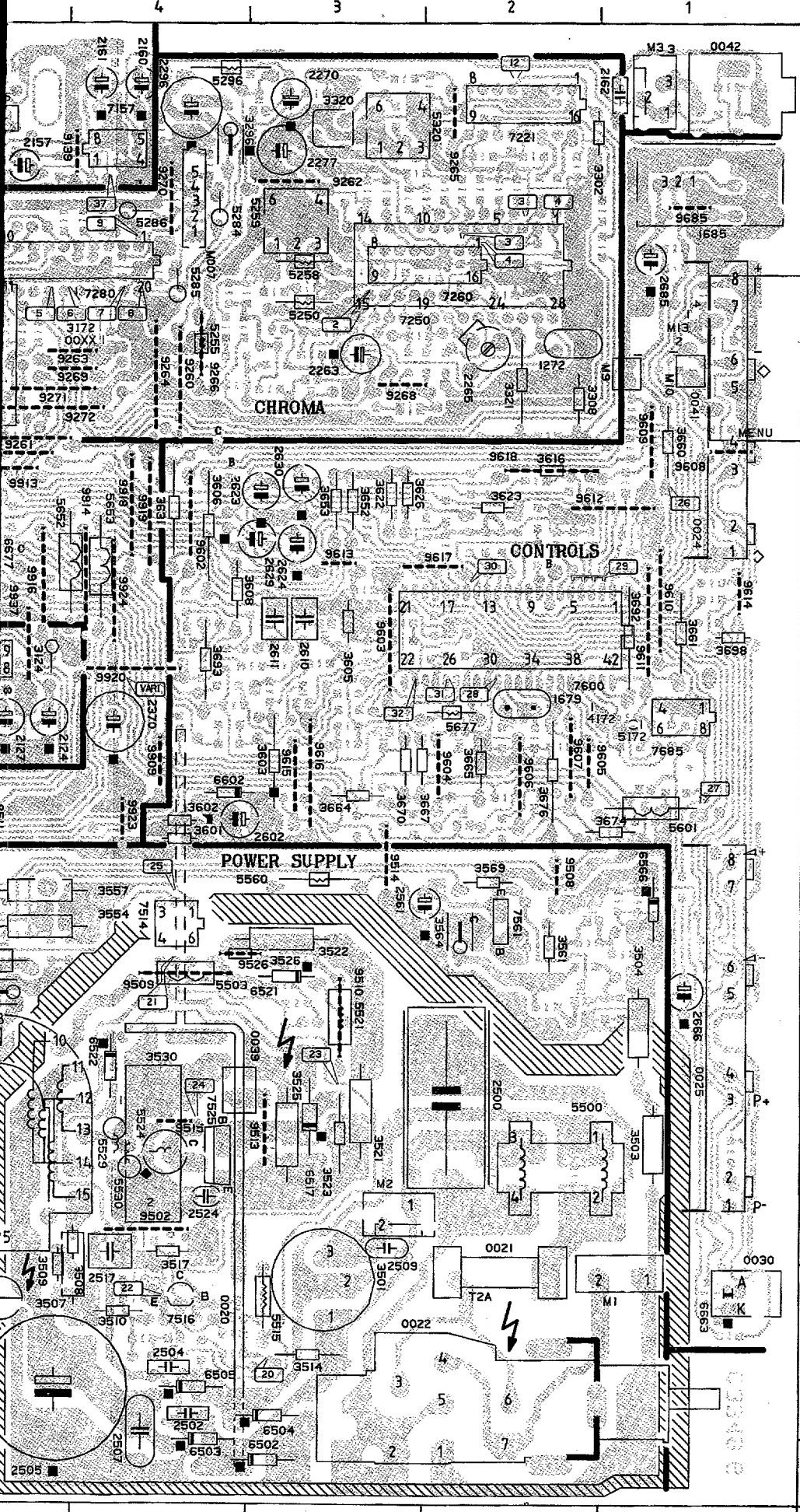
## 5.2 ANUBIS A



# **Monocarrier / Hauptplatine / Châssis**

ANUBIS A 5.3

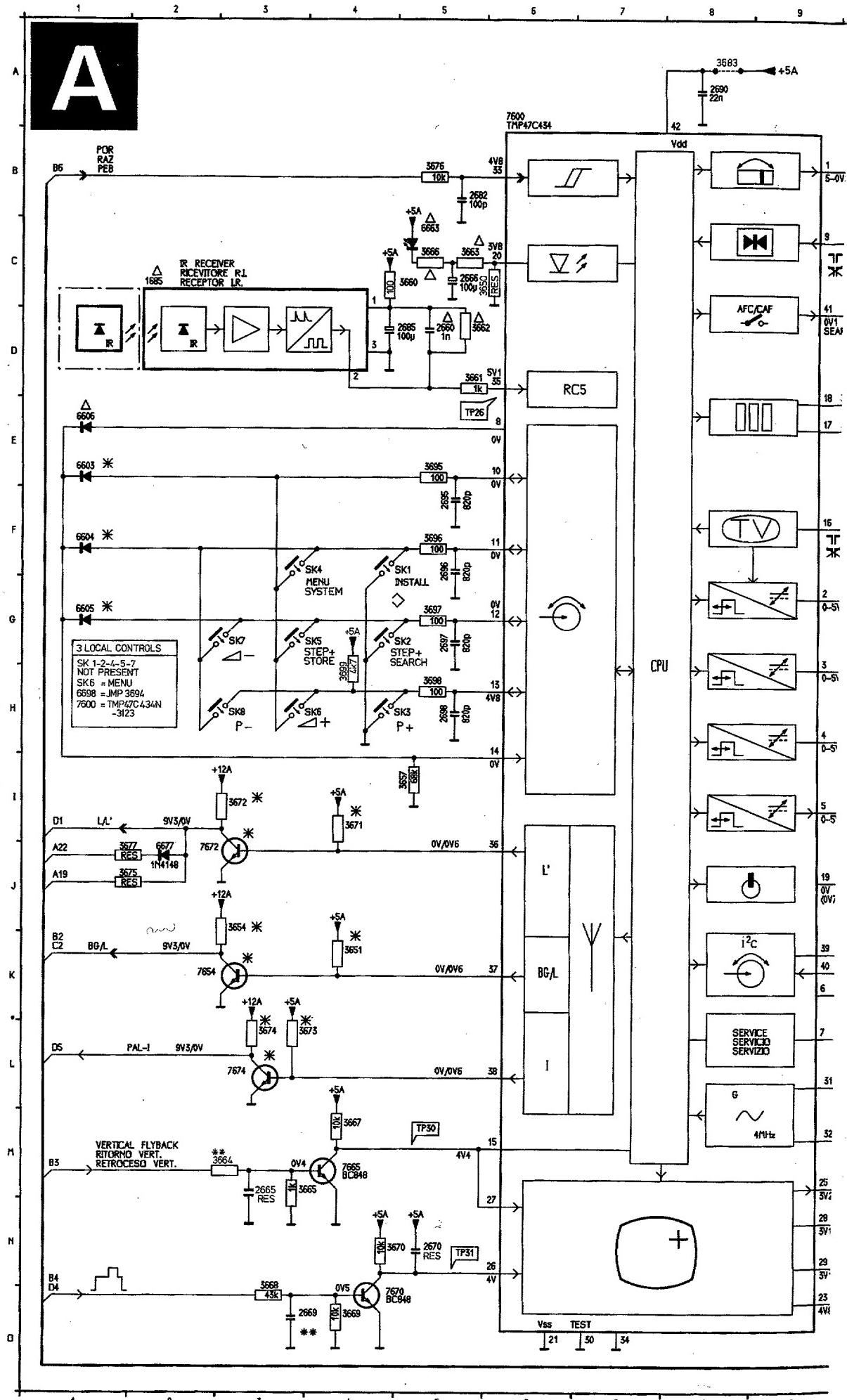




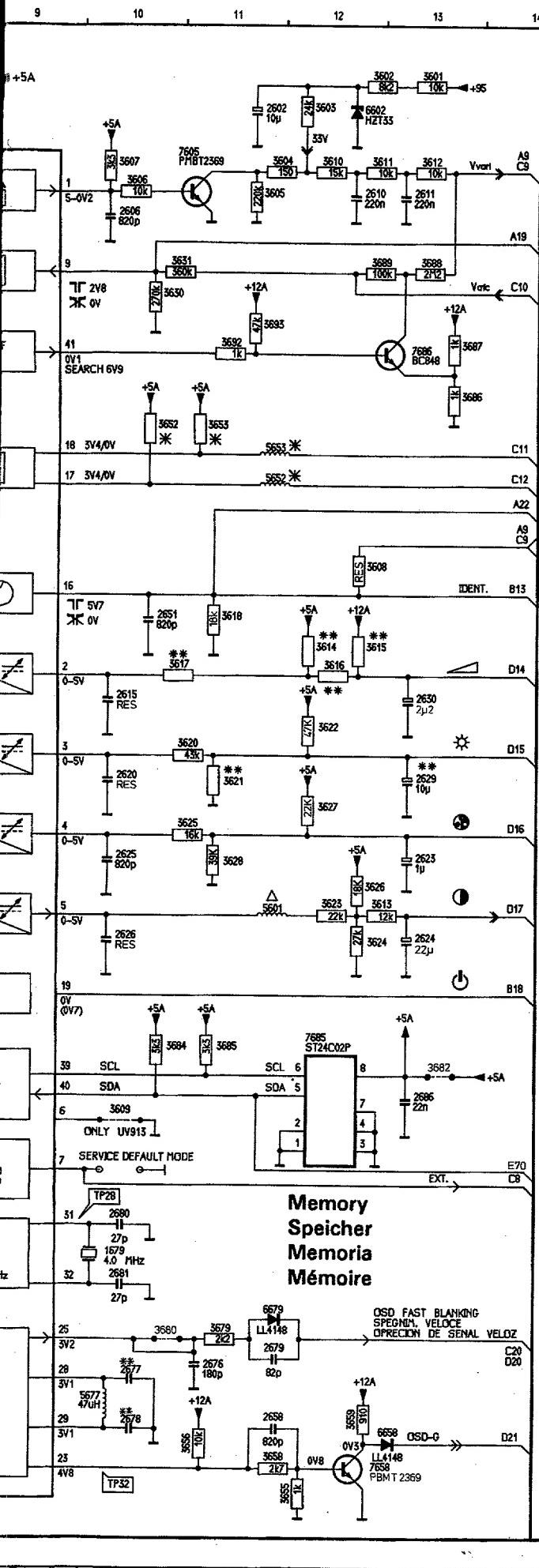
0021	H2	3013	D8	5040	B8	9011	D8	9914	D4
0022	I2	3015	D9	5043	B8	9012	C9	9915	D5
0024	C1	3016	D8	5102	D8	9013	B9	9916	D5
0025	G1	3017	D8	5104	D7	9014	B7	9917	C5
0041	C1	3021	D8	5106	D7	9015	D8	9918	C4
0042	A1	3044	B8	5138	A6	9016	B7	9919	C4
0043	C10	3124	D5	5139	A6	9018	B7	9920	D4
1001	D10	3136	A9	5177	A6	9019	B6	9923	E4
1015	C7	3157	A8	5250	B3	9020	B6	9924	D4
1032	C6	3159	A5	5251	C5	9021	B7	9925	C6
1033	D6	3163	B6	5255	B4	9022	C6	9926	E10
1135	A8	3171	A9	5258	B3	9023	C6	9927	B5
1136	A8	3291	D5	5259	B3	9024	C6	9929	B7
1272	B2	3296	A4	5284	B4	9025	C6	9930	B9
1540	F6	3302	A2	5285	B4	9026	C6	9931	C5
1679	D2	3308	C2	5288	B4	9027	D6	9932	C5
1685	A1	3320	A3	5296	A4	9028	B6	9933	B9
2001	C9	3321	C2	5320	A3	9029	B6	9934	C9
2002	D10	3351	C8	5440	H10	9030	C6	9937	D5
2003	D9	3354	C8	5441	H9	9032	D6	M1	H1
2004	D9	3355	C7	5443	F8	9101	D7	M2	G3
2005	E9	3356	C7	5445	G9	9102	D6	M3	A1
2007	C7	3365	C8	5447	G7	9135	B7	M4	F9
2015	C9	3370	C5	5449	F8	9136	B7	M5	G8
2017	D9	3401	F9	5452	F8	9137	B7	M6	F9
2020	D8	3402	F9	5453	E7	9138	B6	M7	A4
2025	D7	3403	F10	5454	F7	9139	A4	M9	B1
2031	D8	3408	G10	5470	F9	9140	B6	M10	B1
2124	D5	3410	E10	5500	G1	9141	B5	M11	A9
2126	D5	3411	E10	5503	F4	9142	A7	M12	A8
2127	D5	3412	F10	5515	H3	9143	B5	M13	B1
2128	D5	3415	H10	5521	F3	9145	A5	M14	A1C
2135	A5	3416	H10	5524	G4	9146	B9	TP1	C7
2137	A8	3420	H10	5525	G5	9148	B6	TP2	B3
2138	A6	3440	H10	5529	G4	9149	B8	TP3	B2
2139	A6	3443	G7	5530	G4	9260	B4	TP4	B2
2147	A7	3444	H9	5531	H6	9261	C5	TP5	B5
2149	A7	3448	F8	5532	G6	9262	A3	TP6	B5
2150	A8	3449	F8	5533	H6	9263	B4	TP7	B4
2152	A9	3451	F7	5534	G6	9264	B4	TP8	B4
2155	A5	3452	F8	5540	F6	9265	A2	TP9	B4
2157	A5	3454	F7	5541	F6	9266	B6	TP10	C8
2160	A4	3456	G8	5545	F5	9267	C5	TP11	C9
2161	A4	3457	G7	5554	H5	9268	C3	TP12	A2
2162	A1	3470	F9	5560	E3	9269	B4	TP13	C8
2263	B3	3501	H3	5601	E1	9270	A4	TP14	C8
2265	B2	3503	G1	5652	D5	9271	C5	TP15	H9
2270	A3	3504	F1	5653	D4	9272	C5	TP16	H9
2277	A3	3507	H5	5677	D2	9273	B5	TP17	H8
2296	A4	3508	G4	6050	B6	9274	B5	TP18	H10
2351	C7	3509	H5	6051	B6	9401	F9	TP19	H11
2353	D6	3510	H4	6052	C6	9403	E9	TP20	H3
2354	C9	3514	H3	6416	G10	9427	G8	TP21	F4
2355	C7	3517	G4	6443	E8	9441	G7	TP22	F4
2364	C8	3521	G3	6446	H8	9442	E7	TP23	F3
2370	D4	3522	F3	6447	H4	9443	F9	TP24	G4
2403	G10	3523	G3	6448	H7	9444	E9	TP25	E4
2404	E9	3525	G3	6449	F8	9445	H8	TP26	C1
2405	F10	3526	F3	6450	F8	9446	G7	TP27	E1
2415	G10	3530	G4	6451	F7	9450	E2	TP28	D2
2417	F10	3533	I6	6452	F8	9451	E6	TP29	D2
2441	E8	3535	I6	6453	E6	9452	F6	TP30	D2
2442	H9	3544	F6	6470	F8	9453	H10	TP31	D2
2443	E7	3547	F6	6502	I3	9454	F7	TP32	D3
2444	H10	3554	F6	6503	I4	9455	E8	TP34	A6
2445	H8	3557	E5	6504	H3	9456	F9	TP35	A7
2446	H7	3561	F2	6505	H4	9502	G4	TP36	A7
2447	G7	3564	F2	6517	G3	9506	G3	TP37	B4
2448	G7	3568	H6	6521	F3	9507	G6		
2449	E8	3569	E3	6522	F4	9508	E2		
2450	H7	3570	G6	6530	H6	9509	F4		
2451	F7	3571	G6	6537	H6	9510	F3		
2452	F7	3572	G6	6540	F6	9511	E5		
2453	E8	3573	E5	6545	E5	9512	E5		
2456	H8	3601	E4	6554	H5	9513	G3		
2457	G8	3602	E4	6566	E1	9514	E3		
2460	E9	3603	E3	6570	F6	9515	G4		
2470	F8	3605	D3	6602	E4	9516	G6		
2500	H4	3606	C4	6663	H1	9517	F6		
2502	H4	3608	H4	6677	C5	9526	F4		
2504	H4	3616	C2	6849	B9	9554	H6		
2505	H5	3622	C3	6865	A10	9602	C4		
2506	H5	3623	C3	7002	D10	9603	D3		
2507	H4	3626	C3	7015	C8	9604	E2		
2509	G3	3631	C4	7125	D5	9605	E2		
2517	G4	3652	C3	7135	A7	9606	E2		
2524	H6	3653	C3	7157	A4	9607	E2		
2530	H6	3660	C1	7221	A2	9608	C1		
2532	G6	3661	D1	7250	B2	9609	C1		
2534	G6	3664	E3	7280	B4	9610	D1		
2540	F6	3665	E2	7400	H10	9611	D1		
2545	F5	3667	E3	7440	H9	9612	C1		
2550	F6	3670	E3	7445	E18	9613	D3		
2554	H4	3674	E1	7514	E4	9614	D1		
2560	G6	3676	E2	7516	H4	9615	E3		
2561	E2	3692	D1	7525	G4	9616	E3		
2602	E4	3693	D4	7552	H6	9617	D2		
2610	D3	3698	D1	7554	F6	9618	C2		
2611	D3	3862	A10	7561	E2	9685	B1		
2623	C3	3871	B9	7600	D1	9850	B9		
2624	C3	3875	A10	7685	D1	9851	B9		
2629	C3	3878	B9	9001	C10	9852	A10		
2630	C3	5010	D8	9002	C9	9909	E4		
2666	C1	5012	D7	9003	D10	9910	E10		
2685	B1	5018	B7	9004	D10	9911	D5		
2876	A9	5030	B7	9005	E8	9912	C5		
3001	C9	5032	C6	9010	C8	9913	C5		

## **Controls / Bedienung / Commandes**

**ANUBIS A** 6.1

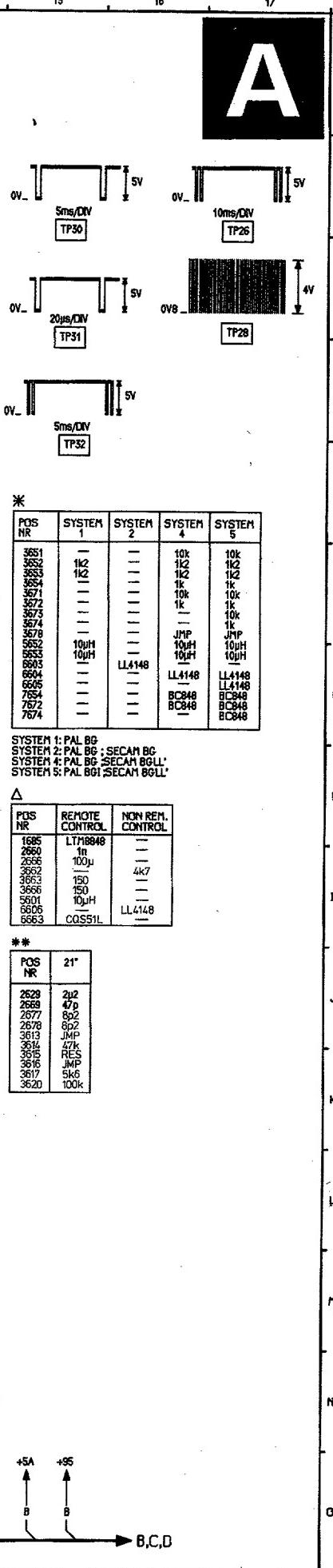


## 6.2 | ANUBIS A



## **Memory Speicher Memoria Mémoire**

#### **OSD FAST BLANKING**



POS NR	SYSTEM 1	SYSTEM 2	SYSTEM 4	SYSTEM 5
3651	—	—	10k	10k
3652	1k2	—	1k2	1k2
3653	1k2	—	1k2	1k2
3654	—	—	1k	1k
3671	—	—	10k	10k
3672	—	—	1k	1k
3673	—	—	1k	1k
3674	—	—	—	JMP
3675	—	—	—	JMP
3676	10μH	—	10μH	10μH
3682	10μH	—	10μH	10μH
6603	—	L14148	—	—
6604	—	—	L14148	L14148
6605	—	—	—	L14148
7591	—	—	BC348	BC348
7672	—	—	BC348	BC348
7674	—	—	BC348	BC348

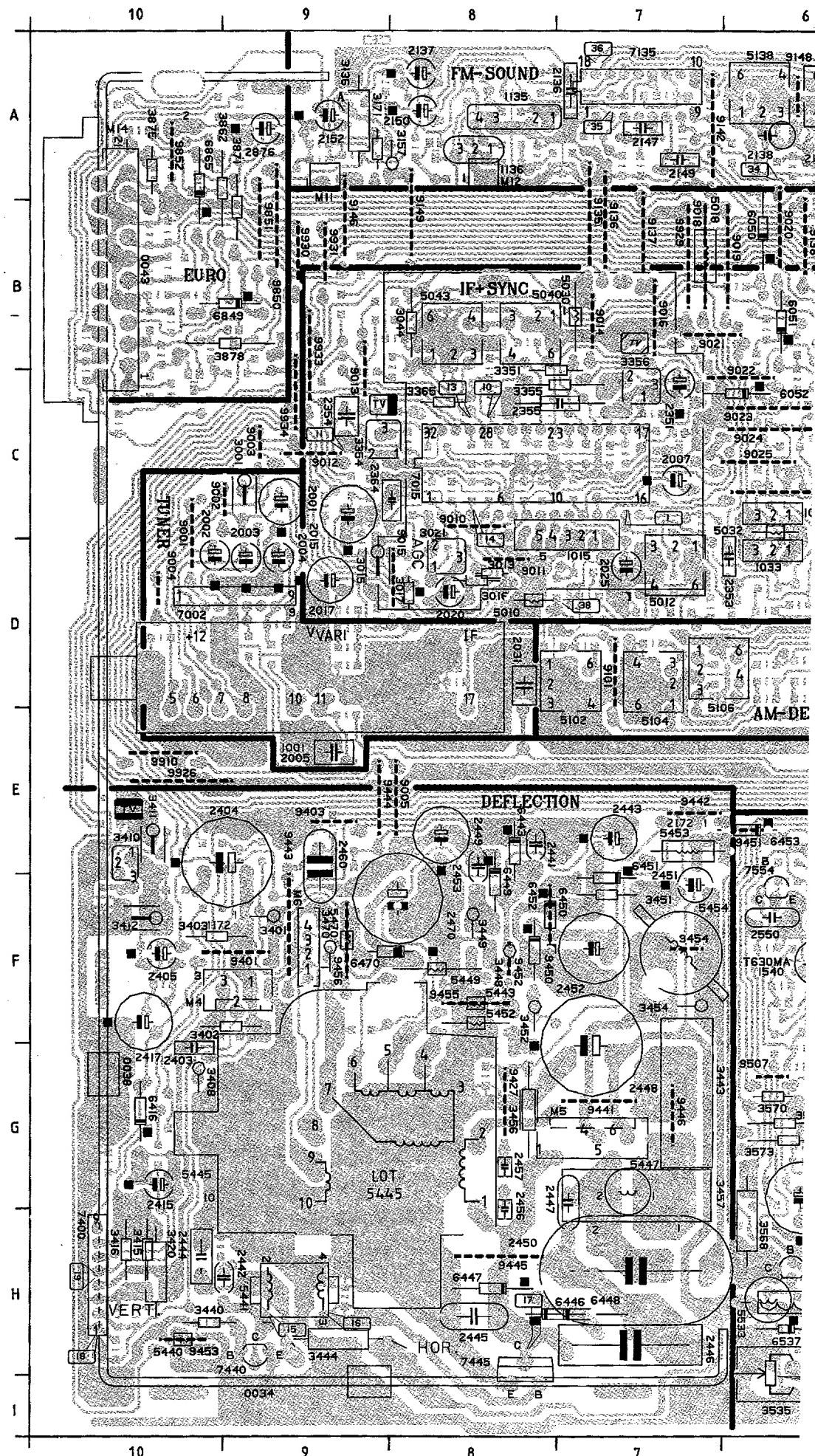
SYSTEM 1: PAL BG  
SYSTEM 2: PAL BG : SECAM BG  
SYSTEM 4: PAL BG >SECAM BGLL'  
SYSTEM 5: PAL BGI >SECAM BGLL'

POS NR	REMOTE CONTROL	NON REM. CONTROL
1685	LTH18846	—
2660	1n	—
2666	100µ	—
3662	—	4K7
3663	150	—
3666	150	—
5601	10µH	—
6605	—	LL4148
5663	C0551	—

POS NR	21°
2629	2p2
2669	4p
2677	8p2
2678	6p2
3613	JMP
3614	47k
3615	RES
3616	JMP
3617	5k6
3620	100k

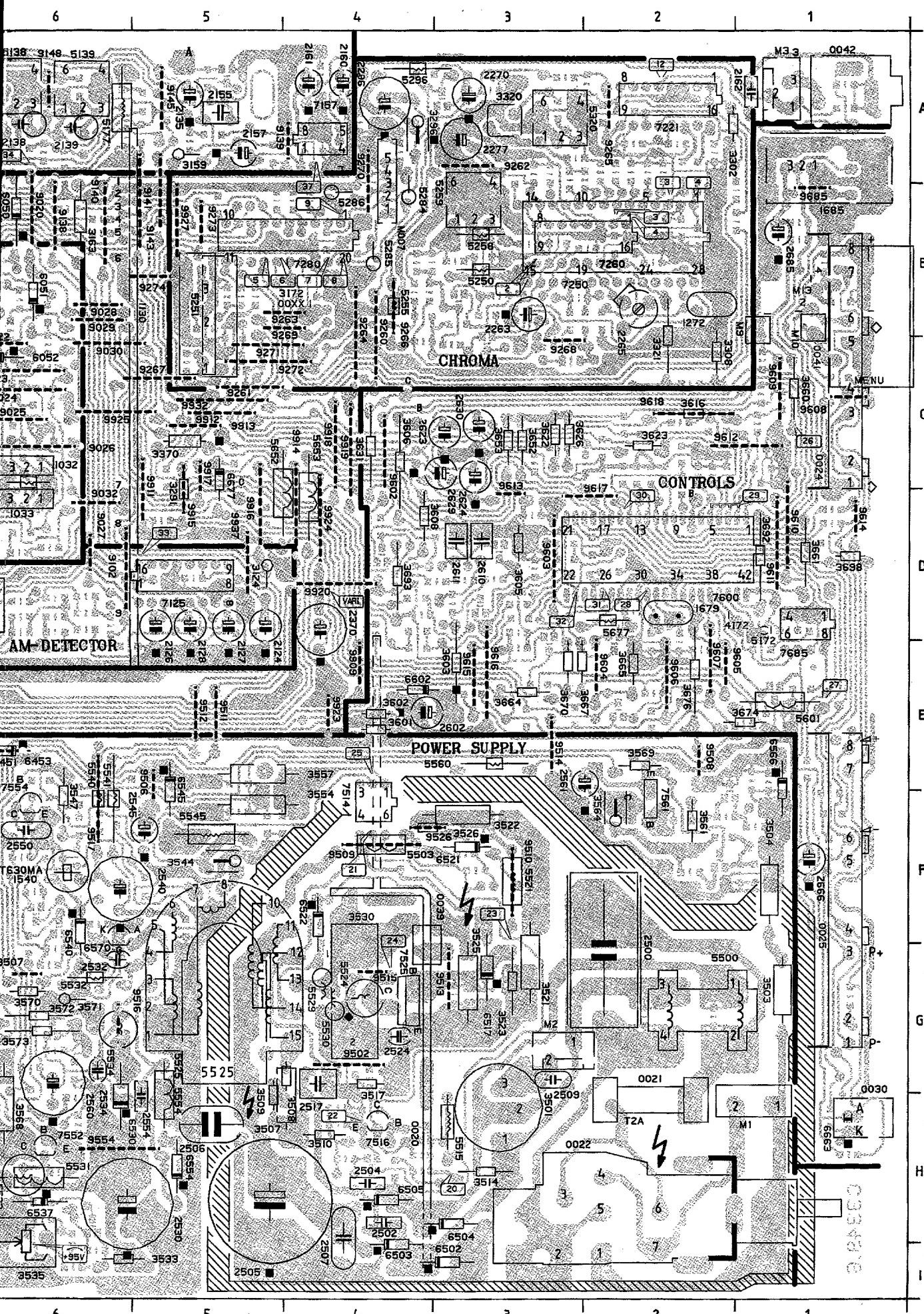
# **Monocarrier / Hauptplatine / Châssis**

ANUBIS A 6.3



6.3

#### **6.4 ANUBIS A**

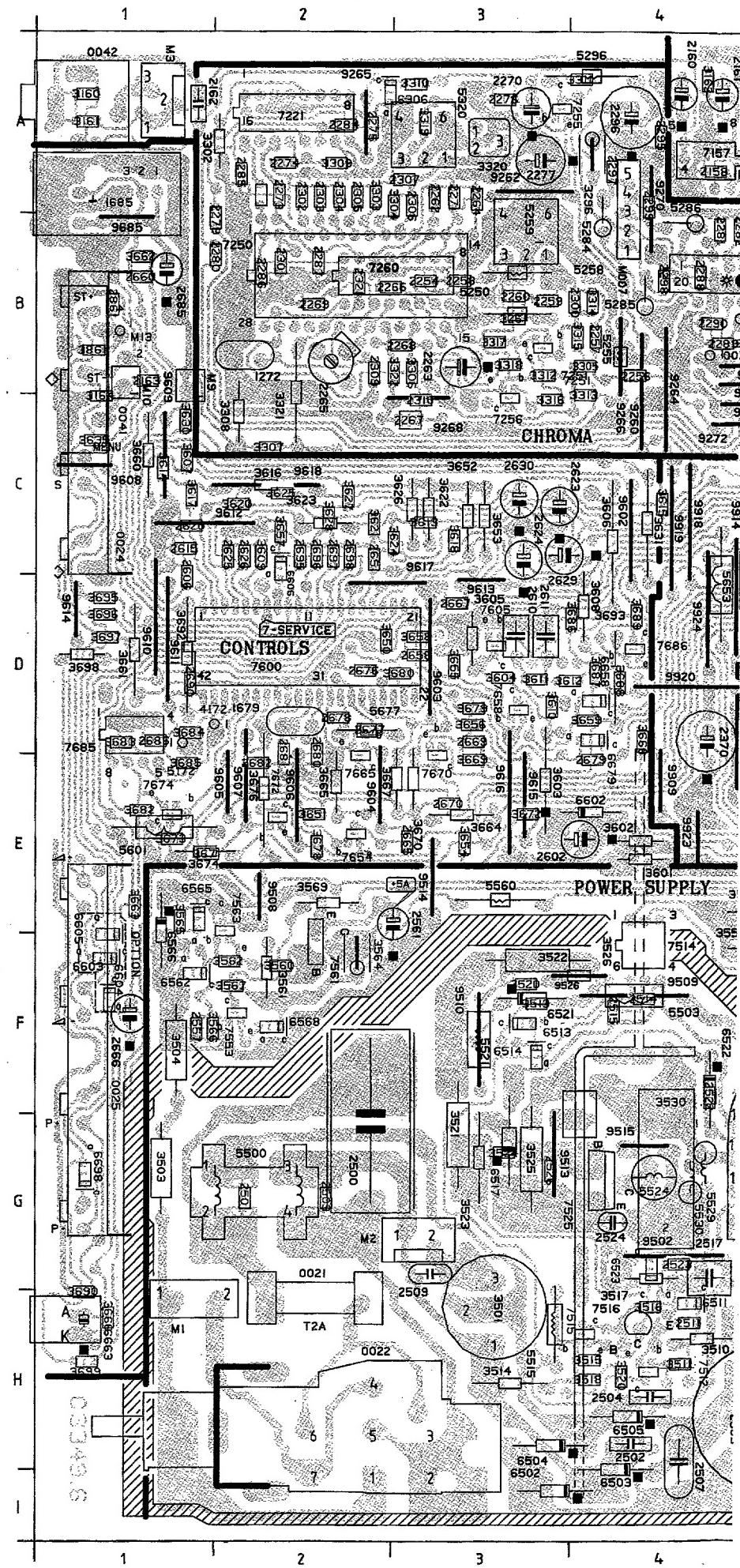


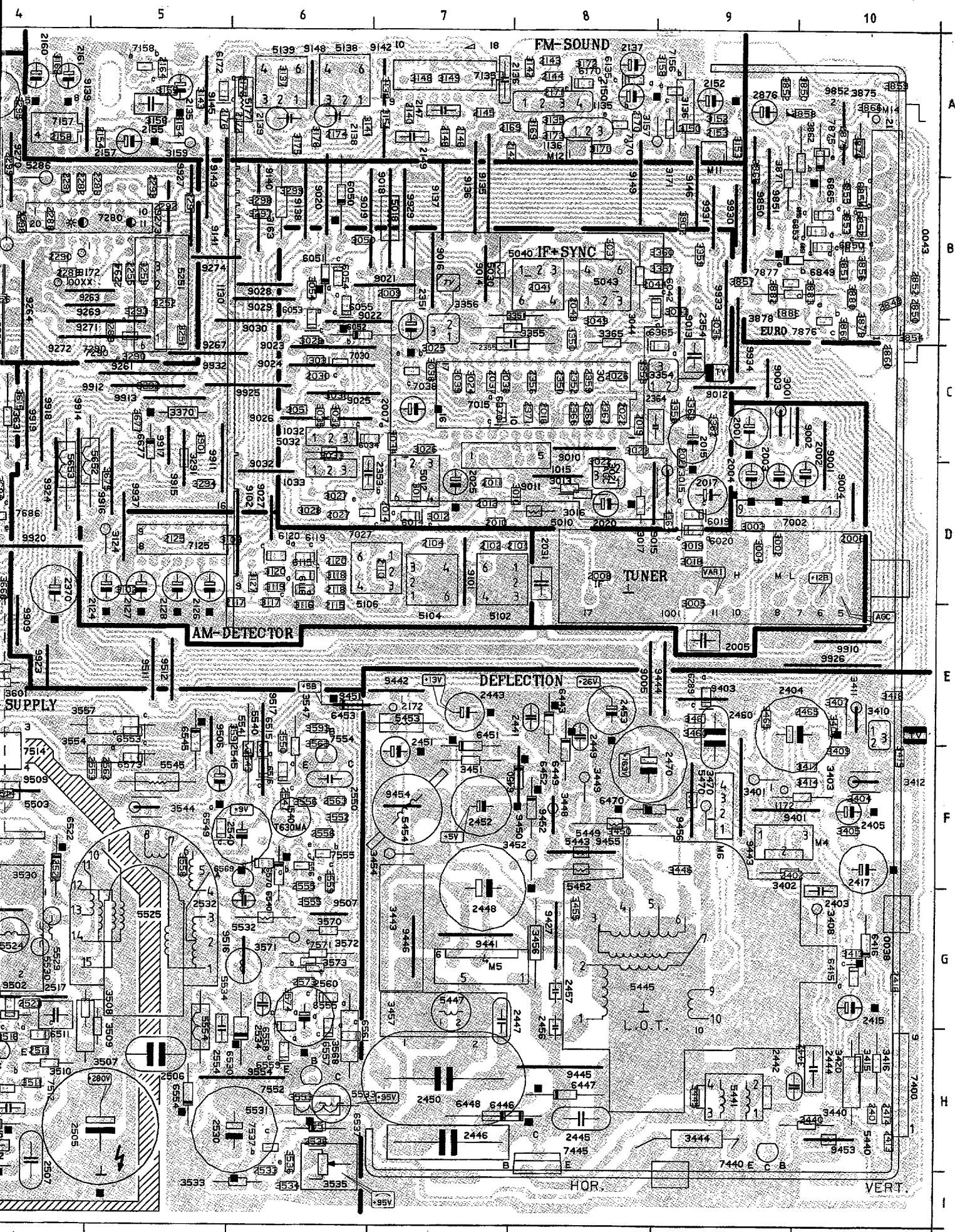
0021 H2	3013 D8	5040 B8	9011 D8	9914 D4
0022 I2	3015 D9	5043 B8	9012 C9	9915 D5
0024 C1	3016 D8	5102 D8	9013 B9	9916 D5
0025 G1	3017 D8	5104 D7	9014 B7	9917 C5
0041 C1	3021 D8	5106 D7	9015 D8	9918 C4
0042 A1	3044 B8	5138 A6	9016 B7	9919 C4
0043 C10	3124 D5	5139 A6	9018 B7	9920 D4
1001 D10	3136 A9	5177 A6	9019 B6	9923 E4
1015 C7	3157 A8	5250 B3	9020 B6	9924 D4
1032 C6	3159 A5	5251 C5	9021 B7	9925 C6
1033 D6	3163 B6	5255 B4	9022 C6	9926 E10
1135 A8	3171 A9	5258 B3	9023 C6	9927 B5
1136 A8	3291 D5	5259 B3	9024 C6	9929 B7
1272 B2	3296 A4	5284 B4	9025 C6	9930 B9
1540 F6	3302 A2	5285 B4	9026 C6	9931 B9
1679 D2	3308 C2	5286 B4	9027 D6	9932 C5
1685 A1	3320 A3	5296 A4	9028 B6	9933 B9
2001 C9	3321 C2	5320 A3	9029 B6	9934 C9
2002 D10	3351 C8	5440 H10	9030 C6	9937 D5
2003 D9	3354 C8	5441 H9	9032 D6	M1 H1
2004 D9	3355 C7	5443 F8	9101 D7	M2 G3
2005 E9	3356 C7	5445 G9	9102 D6	M3 A1
2007 C7	3365 C8	5447 G7	9135 B7	M4 F9
2015 C9	3370 C5	5449 F8	9136 B7	M5 G8
2017 D9	3401 F9	5452 F8	9137 B7	M6 F9
2020 D8	3402 F9	5453 E7	9138 B6	M7 A4
2025 D7	3403 F10	5454 F7	9139 A4	M9 B1
2031 D8	3408 G10	5470 F9	9140 B6	M10 B1
2124 D5	3410 E10	5500 G1	9141 B5	M11 A9
2126 D5	3411 E10	5503 F4	9142 A7	M12 A8
2127 D5	3412 F10	5515 H3	9143 B5	M13 B1
2128 D5	3415 H10	5521 F3	9145 A5	M14 A10
2135 A5	3416 H10	5524 G4	9146 B9	TP1 C7
2137 A8	3420 H10	5525 G5	9148 A6	TP2 B3
2138 A6	3440 H10	5529 G4	9149 B8	TP3 B2
2139 A6	3443 G7	5530 G4	9260 B4	TP4 B2
2147 A7	3444 H9	5531 H6	9261 C5	TP5 B5
2149 A7	3448 F8	5532 G6	9262 A3	TP6 B5
2150 A8	3449 F8	5533 H6	9263 B4	TP7 B4
2152 A9	3451 F7	5534 G6	9264 B4	TP8 B4
2155 A5	3452 F8	5540 F6	9265 A2	TP9 B4
2157 A5	3454 F7	5541 F6	9266 B4	TP10 C8
2160 A4	3456 G8	5545 F5	9267 C5	TP11 C9
2161 A4	3457 G7	5554 H5	9268 C3	TP12 A2
2162 A1	3470 F9	5560 E3	9269 B4	TP13 C8
2263 B3	3501 H3	5601 E1	9270 A4	TP14 C8
2265 B2	3503 G1	5652 D5	9271 C5	TP15 H9
2270 A3	3504 F1	5653 D4	9272 C5	TP16 H9
2277 A3	3507 H4	5677 D2	9273 B5	TP17 H8
2296 A4	3508 G4	6050 B6	9274 B5	TP18 H10
2351 C7	3509 H5	6051 B6	9401 F9	TP19 H10
2353 D6	3510 H4	6052 C6	9403 E9	TP20 H3
2354 C9	3514 H3	6416 G10	9427 G8	TP21 F4
2355 C7	3517 G4	6443 E8	9441 G7	TP22 H4
2364 C8	3521 G3	6446 H8	9442 E7	TP23 F3
2370 D4	3522 F3	6447 H8	9443 F9	TP24 G4
2403 G10	3523 G3	6448 H7	9444 E9	TP25 E4
2404 E9	3525 G3	6449 F8	9445 H8	TP26 C1
2405 F10	3526 F4	6450 F8	9446 G7	TP27 E1
2415 G10	3530 G4	6451 F7	9450 F8	TP28 D2
2417 F10	3533 I6	6452 F8	9451 E6	TP29 D2
2441 E8	3535 I6	6453 E6	9452 F8	TP30 D2
2442 H9	3544 F5	6470 F8	9453 H10	TP31 D2
2443 E7	3547 F6	6502 I3	9454 F7	TP32 D3
2444 H10	3554 F5	6503 I4	9455 F8	TP34 A6
2445 H8	3557 E5	6504 H3	9456 F9	TP35 A7
2446 H7	3561 F2	6505 H4	9502 G4	TP36 A7
2447 G7	3564 F2	6517 G3	9506 E5	TP37 B4
2448 G7	3568 H6	6521 F3	9507 G6	
2449 E8	3569 E2	6522 F4	9508 E2	
2450 H7	3570 G8	6530 H6	9509 F4	
2451 F7	3571 G6	6537 H6	9510 F3	
2452 F7	3572 G6	6540 F6	9511 E5	
2453 E8	3573 G6	6545 E5	9512 E5	
2456 H8	3601 E4	6554 H5	9513 G3	
2457 G8	3602 E4	6566 E1	9514 E3	
2460 E9	3603 E3	6570 F6	9515 G4	
2470 F8	3605 D3	6602 E4	9516 G6	
2500 G2	3606 C4	6663 H1	9517 F6	
2502 H4	3608 D4	6677 C5	9526 F4	
2504 H4	3616 C2	6849 B9	9554 H6	
2505 H5	3622 C3	6865 A10	9602 C4	
2506 H5	3623 C2	7002 D10	9603 D3	
2507 H4	3626 C3	7015 C8	9604 E2	
2509 G3	3631 C4	7125 D5	9605 E2	
2517 G4	3652 C3	7135 A7	9606 E2	
2524 G4	3653 C3	7157 A4	9607 E2	
2530 H6	3660 C1	7221 A2	9608 C1	
2532 G6	3661 D1	7250 B2	9609 C1	
2534 G6	3664 E3	7280 B4	9610 D1	
2540 F6	3665 E2	7400 H10	9611 D1	
2545 F5	3667 E3	7440 H9	9612 C1	
2550 F6	3670 E3	7445 I8	9613 D3	
2554 H5	3674 E1	7514 E4	9614 D1	
2560 G6	3676 E2	7516 H4	9615 E3	
2561 E2	3692 D1	7525 G4	9616 E3	
2602 E4	3693 D4	7552 H6	9617 D2	
2610 D3	3698 D1	7554 F6	9618 C2	
2611 D3	3862 A10	7561 E2	9685 B1	
2623 C3	3871 B9	7600 D1	9850 B9	
2624 C3	3875 A10	7685 D1	9851 B9	
2629 C3	3878 B9	9001 C10	9852 A10	
2630 C3	5010 D8	9002 C9	9909 E4	
2666 F1	5012 D7	9003 C9	9910 E10	
2685 B1	5018 B7	9004 D10	9911 D5	
2876 A9	5030 B7	9005 E8	9912 C5	
3001 C9	5032 C6	9010 C8	9913 C5	

**Monocarrier / Hauptplatine / Châssis**

0021	H2	2270	A3	2545	F5	3142	A8	3454	F7	3663	E1
0022	I2	2271	A3	2547	F6	3143	A5	3455	G8	3664	E3
0024	C1	2272	A2	2550	F6	3148	A7	3456	G8	3665	E2
0025	G1	2273	A2	2553	F5	3149	A7	3457	G7	3666	H1
0041	C1	2274	A2	2554	H5	3150	A9	3460	E9	3667	E3
0042	A1	2275	A2	2555	F6	3151	A7	3461	E9	3668	D4
0043	C10	2276	A3	2556	F6	3152	A9	3465	E9	3669	E3
1001	D10	2277	A3	2557	F1	3153	A9	3470	F9	3670	E3
1015	C7	2279	B1	2560	G6	3154	A5	3501	H3	3671	E1
1032	C6	2280	B1	2561	E2	3155	A5	3503	G1	3672	E3
1033	D6	2281	B4	2562	F5	3156	A5	3504	F1	3673	E1
1135	A8	2282	B4	2563	F6	3157	A8	3507	H4	3674	E1
1136	A8	2283	B5	2573	G6	3158	A9	3508	G4	3675	D5
1272	B2	2284	A2	2602	E4	3159	A5	3509	H5	3676	E2
1540	F6	2285	A2	2606	C1	3160	B1	3510	H4	3677	C5
1679	D2	2286	B2	2610	D3	3161	A1	3511	H4	3678	E2
1685	A1	2287	B2	2611	D3	3162	A4	3513	F3	3679	D3
2001	C9	2288	B4	2615	C1	3163	B6	3514	H3	3680	D3
2002	D10	2289	B4	2620	C1	3164	A1	3515	H4	3682	E1
2003	D9	2290	B4	2623	C3	3169	A8	3516	H4	3683	D1
2004	D9	2291	B5	2624	C3	3170	A8	3517	G4	3684	D1
2005	E9	2292	B5	2625	C2	3171	A9	3518	H4	3685	E1
2006	D10	2293	B5	2626	C2	3172	A8	3520	H4	3686	D3
2007	C7	2294	B5	2629	C3	3173	A8	3521	G3	3687	D4
2008	D8	2295	A4	2630	C3	3175	A6	3522	F3	3688	D4
2009	B7	2296	A4	2651	C2	3176	A6	3523	G3	3689	D4
2010	D7	2297	A4	2658	D3	3251	C5	3524	G3	3690	G1
2011	D7	2298	B4	2660	B1	3252	B5	3525	G3	3692	D1
2013	D7	2299	A4	2665	E3	3253	B5	3526	F4	3693	D4
2014	D7	2300	B3	2666	F1	3261	B3	3530	G4	3695	D1
2015	C9	2301	B2	2667	D3	3269	C5	3533	I6	3696	D1
2016	C8	2302	A2	2669	D3	3290	C5	3534	I6	3697	D1
2017	D9	2303	A2	2670	E3	3291	D5	3535	I6	3698	D1
2019	C8	2304	A2	2676	D2	3292	C5	3536	H6	3699	H1
2020	D8	2305	A2	2677	D2	3293	B5	3544	F5	3850	A10
2021	C9	2306	A3	2678	D2	3294	D5	3547	F6	3851	B10
2022	C8	2307	A3	2679	E4	3296	A4	3549	F6	3852	A9
2025	D7	2309	B2	2680	D2	3297	B6	3550	E6	3853	B10
2026	C8	2310	C3	2681	D2	3298	B6	3551	H6	3854	C10
2027	D6	2321	B2	2682	E2	3299	B6	3552	F6	3855	B10
2030	C6	2350	C8	2685	B1	3302	A2	3553	H6	3856	B10
2031	D8	2351	C7	2686	D1	3303	A2	3554	F5	3857	B9
2037	C7	2352	C8	2690	D1	3304	A2	3555	G6	3858	A10
2038	C7	2353	D6	2695	C2	3305	B4	3556	F6	3859	A10
2041	B8	2354	C9	2696	C2	3306	B3	3557	E5	3860	C10
2043	B8	2355	C7	2697	C2	3307	C2	3558	F5	3861	B1
2044	B8	2356	C8	2698	C2	3308	C2	3559	F6	3862	A10
2101	D8	2359	C8	2849	B10	3309	A2	3560	F2	3865	A9
2102	D7	2364	C8	2850	B10	3310	A3	3561	F2	3866	A10
2104	D7	2366	C8	2852	B10	3311	A4	3562	F2	3871	B9
2110	D7	2367	C8	2860	C10	3312	B3	3563	E6	3875	A10
2115	E6	2368	C8	2861	B1	3313	B4	3564	F2	3876	A10
2117	D6	2370	D4	2875	A10	3314	B4	3565	E1	3878	B9
2118	D6	2371	C8	2876	A9	3315	B4	3566	F1	3879	C10
2120	D6	2401	H10	3001	C9	3316	C3	3567	F2	3880	B10
2124	D5	2402	F9	3002	D9	3317	B3	3568	H6	3881	B9
2125	D5	2403	G10	3003	D9	3318	B3	3569	E2	3882	B9
2126	D5	2404	E9	3004	D9	3319	A3	3570	G6	3883	B10
2127	D5	2405	F10	3005	D9	3320	A3	3571	G6	3901	C5
2128	D5	2413	H10	3010	D7	3321	C2	3572	G6	3902	B9
2135	A5	2414	H10	3011	D7	3322	B2	3573	G6	5010	D8
2137	A8	2415	G10	3012	D7	3350	C8	3574	G6	5012	D7
2138	A6	2416	G10	3013	D8	3351	C8	3591	E6	5018	B7
2139	A6	2417	F10	3015	D9	3353	C8	3593	E6	5030	B7
2140	A7	2440	H10	3016	D8	3354	C8	3601	E4	5032	C6
2142	A7	2441	E8	3017	D8	3355	C7	3602	E4	5040	B8
2143	A8	2442	H9	3018	D9	3356	C7	3603	E3	5043	B8
2144	A8	2443	E7	3019	D9	3357	B9	3604	D3	5102	D8
2145	A7	2444	H10	3021	D8	3358	C9	3605	D3	5104	D7
2146	A7	2445	H8	3022	D8	3359	B9	3606	C4	5106	D7
2147	A7	2446	H7	3023	C8	3360	B9	3607	C1	5138	A6
2148	A7	2447	G7	3024	C7	3362	C9	3608	D4	5139	A6
2149	A7	2448	G7	3025	C7	3363	C9	3609	C2	5177	A6
2150	A8	2449	E8	3026	C7	3364	D9	3610	D3	5250	B3
2152	A9	2450	H7	3027	D6	3365	C8	3611	D3	5251	C5
2153	A9	2451	F7	3028	D6	3370	C5	3612	D3	5255	B4
2154	A5	2452	F7	3029	C6	3401	F9	3613	C3	5258	B3
2155	A5	2453	E8	3030	C6	3402	F9	3614	C1	5259	B3
2157	A5	2456	H8	3031	C6	3403	F10	3615	C4	5284	B4
2158	A4	2457	G8	3032	C6	3404	F10	3616	C2	5285	B4
2160	A4	2460	E9	3033	C6	3405	F10	3617	C1	5286	B4
2161	A4	2465	E10	3034	C7	3406	E10	3618	C3	5286	A4
2162	A1	2470	F8	3035	C6	3407	E10	3620	C2	5320	A3
2163	B1	2500	G2	3036	C9	3408	G10	3621	C2	5440	H10
2164	A5	2501	G2	3037	B8	3409	F10	3622	C3	5441	H9
2169	A7	2502	H4	3038	C7	3410	E10	3623	C2	5443	F8
2170	A8	2503	G2	3039	C7	3411	E10	3624	C2	5445	G9
2171	A8	2504	H4	3043	B9	3412	F10	3625	C2	5447	G7
2172	A6	2505	H5	3044	B8	3413	G10	3626	C3	5449	F8
2174	A6	2506	H5	3049	C8	3414	F10	3627	C2	5452	F8
2175	A6	2507	H4	3050	B6	3415	H10	3628	C2	5453	E7
2176	A5	2509	G3	3051	C6	3416	H10	3630	C1	5454	F7
2254	B3	2511	H4	3054	B6	3417	F10	3631	C4	5470	F9
2255	B5	2514	F4	3102	D5	3418	E10	3635	C1	5500	G1
2256	B4	2515	F4	3103	D5	3419	F10	3650	D2	5503	F4
2257	B4	2517	G4	3116	E6	3420	H10	3651	E2	5515	H3
2258	B3	2520	F3	3117	D6	3440	H10	3652	C3	5521	F3
2259	B3	2522	F4	3118	D6	3442	H10	3653	C3	5524	G4
2260	B3	2523	G4	3119	D6	3443	G7	3654	E3	5525	G5
2262	A3	2524	G4	3120	D6	3444	H9	3655	D3	5529	G4
2263	B3	2526	G3	3124	D5	3445	H9	3656	D3	5530	G4
2264	A3	2530	H6	3127	D6	3446	F9	3657	C2	5531	H6
2265	B2	2532	G6	3135	A8	3448	F8	3658	D3	5532	G6
2266	B2	2533	I6	3136	A9	3449	F8	3659	D4	5533	H6
2267	C3	2534	G6	3137	A6	3450	F8	3660	C1	5534	G6
2268	B3	2536	H6	3138	A7	3451	F7	3661	D1	5540	F6
2269	B2	2540	F6	3141	A6	3452	F8	3662	B1	5541	F6

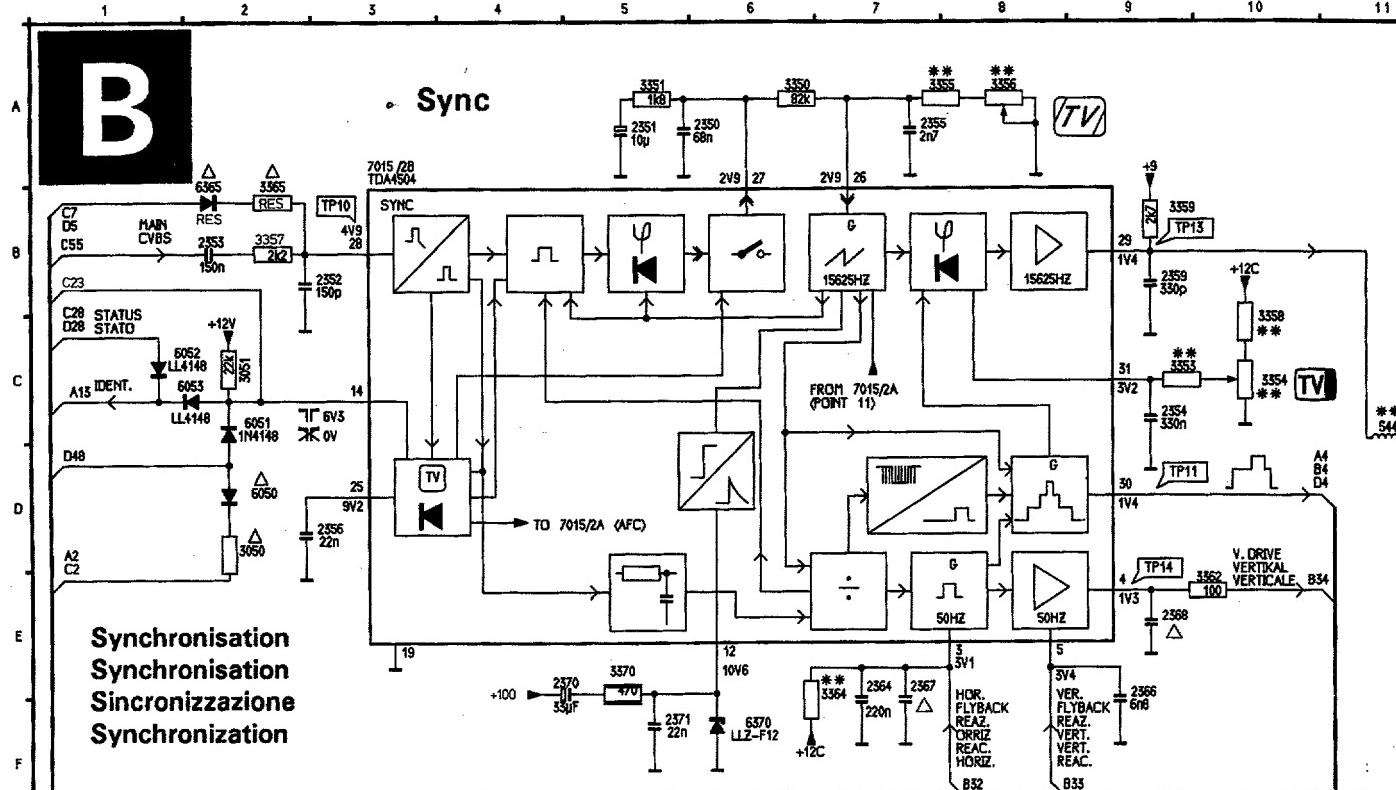
663 E1	5545 F5	7280 B4	9508 E2
664 E3	5554 H5	7290 C5	9509 F4
665 E2	5580 E3	7400 H10	9510 F3
666 H1	5601 E1	7440 H9	9511 E5
667 E3	5652 D5	7445 I8	9512 E5
668 D4	5653 D4	7512 H4	9513 G3
669 E3	5677 D2	7514 E4	9514 E3
670 E3	6014 D7	7515 H4	9515 G4
671 E1	6019 D9	7516 H4	9516 G6
672 E3	6020 D9	7525 G4	9517 F6
673 E1	6034 C6	7537 H6	9526 F4
674 E1	6042 B8	7552 H6	9554 H6
675 D5	6050 B6	7553 F2	9602 C4
676 E2	6051 B6	7554 F6	9603 D3
677 C5	6052 C6	7555 F6	9604 E2
678 E2	6053 C6	7556 F6	9605 E2
679 D3	6054 B6	7561 E2	9606 E2
680 D3	6055 B6	7563 E2	9607 E2
682 E1	6115 D6	7571 G6	9608 C1
683 D1	6116 D6	7600 D1	9609 C1
684 D1	6119 D6	7605 D3	9610 D1
685 E1	6120 D6	7654 E2	9611 D1
686 D3	6135 A8	7658 D3	9612 C1
687 D4	6170 A8	7665 D2	9613 D3
688 D4	6172 A5	7670 D3	9614 D1
689 E4	6289 E9	7672 E2	9615 E3
690 G1	6306 A2	7674 E1	9616 E3
692 D1	6365 C8	7685 D1	9617 D2
693 D4	6370 C7	7686 D4	9618 C2
695 D1	6415 G10	7875 A10	9685 B1
696 D1	6416 G10	7876 C10	9850 B9
697 E1	6443 E8	7877 B9	9851 B9
698 D1	6446 H8	9001 C10	9852 A10
699 H1	6447 H8	9002 C9	9909 E4
700 A10	6448 H7	9003 C9	9910 E10
701 B10	6449 F8	9004 D10	9911 D5
702 A9	6450 F8	9005 E8	9912 C5
703 B10	6451 F7	9010 C8	9913 C5
704 C10	6452 F8	9011 D8	9914 D4
705 B10	6453 E6	9012 C9	9915 D5
706 B10	6470 F8	9013 B9	9916 D5
707 B9	6502 I3	9014 B7	9917 C5
708 A10	6503 I4	9015 D8	9918 C4
709 A10	6504 H3	9016 B7	9919 C4
710 C10	6505 H4	9018 B7	9920 D4
711 B1	6511 H4	9019 B6	9923 E4
712 A10	6513 F3	9020 B6	9924 D4
713 E9	6514 F3	9021 B7	9925 C6
714 A10	6515 F6	9022 C6	9926 E10
715 B9	6516 F6	9023 C6	9927 B5
716 A10	6517 G3	9024 C6	9929 B7
717 A10	6521 F3	9025 C6	9930 B9
718 B9	6522 F4	9026 C6	9931 B9
719 C10	6523 G4	9027 D6	9932 C5
720 B10	6530 H6	9028 B6	9933 B9
721 B9	6537 H6	9029 B6	9934 C9
722 B9	6540 F6	9030 C6	9937 D5
723 B10	6545 E5	9032 D6	M1 H1
724 C5	6549 F5	9101 D7	M2 G3
725 B9	6553 E5	9102 D6	M3 A1
726 D8	6554 H5	9135 B7	M4 F9
727 D7	6555 G6	9136 B7	M5 G8
728 B7	6557 G6	9137 B7	M6 F9
729 C6	6558 G6	9138 B6	M7 A4
730 A6	6559 H6	9139 A4	M9 B1
731 A6	6561 H6	9140 B6	M10 B1
732 B8	6562 F1	9141 B5	M11 A9
733 D8	6565 E1	9142 A7	M12 A8
734 D7	6566 E1	9143 B5	M13 B1
735 A7	6568 F2	9145 A5	M14 A10
736 A6	6569 F6	9146 B9	TP1 C7
737 A6	6570 F6	9148 A6	TP2 B3
738 A6	6573 F5	9149 B8	TP3 B2
739 B3	6602 E4	9260 B4	TP4 B2
740 C5	6603 F1	9261 C5	TP5 B5
741 B4	6604 F1	9262 A3	TP6 B5
742 B3	6605 E1	9263 B4	TP7 B4
743 B3	6606 C2	9264 B4	TP8 B4
744 B4	6658 D4	9265 A2	TP9 B4
745 B4	6663 H1	9266 B4	TP10 C8
746 B4	6677 C5	9267 C5	TP11 C9
747 A4	6679 D4	9268 C3	TP12 A2
748 A3	6698 G1	9269 B4	TP13 C8
749 H10	6849 B9	9270 A4	TP14 C8
750 H9	6850 B10	9271 C5	TP15 H9
751 F8	6851 B10	9272 C5	TP16 H9
752 G9	6852 B10	9273 B5	TP17 H8
753 G7	6853 B10	9274 B5	TP18 H10
754 F8	6854 B10	9401 F9	TP19 H10
755 F8	6855 B10	9403 E9	TP20 H3
756 E7	6865 A10	9427 G8	TP21 F4
757 E7	7002 D10	9441 G7	TP22 H4
758 F9	7015 C8	9442 E7	TP23 F3
759 G1	7027 D6	9443 F9	TP24 G4
760 F4	7030 C6	9444 E9	TP25 E4
761 H3	7038 C7	9445 H8	TP26 C1
762 F3	7125 D5	9446 G7	TP27 E1
763 G4	7135 A7	9450 F8	TP28 D2
764 G5	7156 A9	9451 E6	TP29 D2
765 G4	7157 A4	9452 F8	TP30 D2
766 G4	7158 A5	9453 H10	TP31 D2
767 H6	7170 A8	9454 F7	TP32 D3
768 G6	7221 A2	9455 F8	TP34 A6
769 G6	7250 B2	9456 F9	TP35 A7
770 G6	7255 A3	9502 G4	TP36 A7
771 F6	7256 C3	9506 E5	TP37 B4
772 F6	7256 G6	9507 G6	





# **Power supply / Stromversorgung / Alimentation**

**ANUBIS A** 6.9

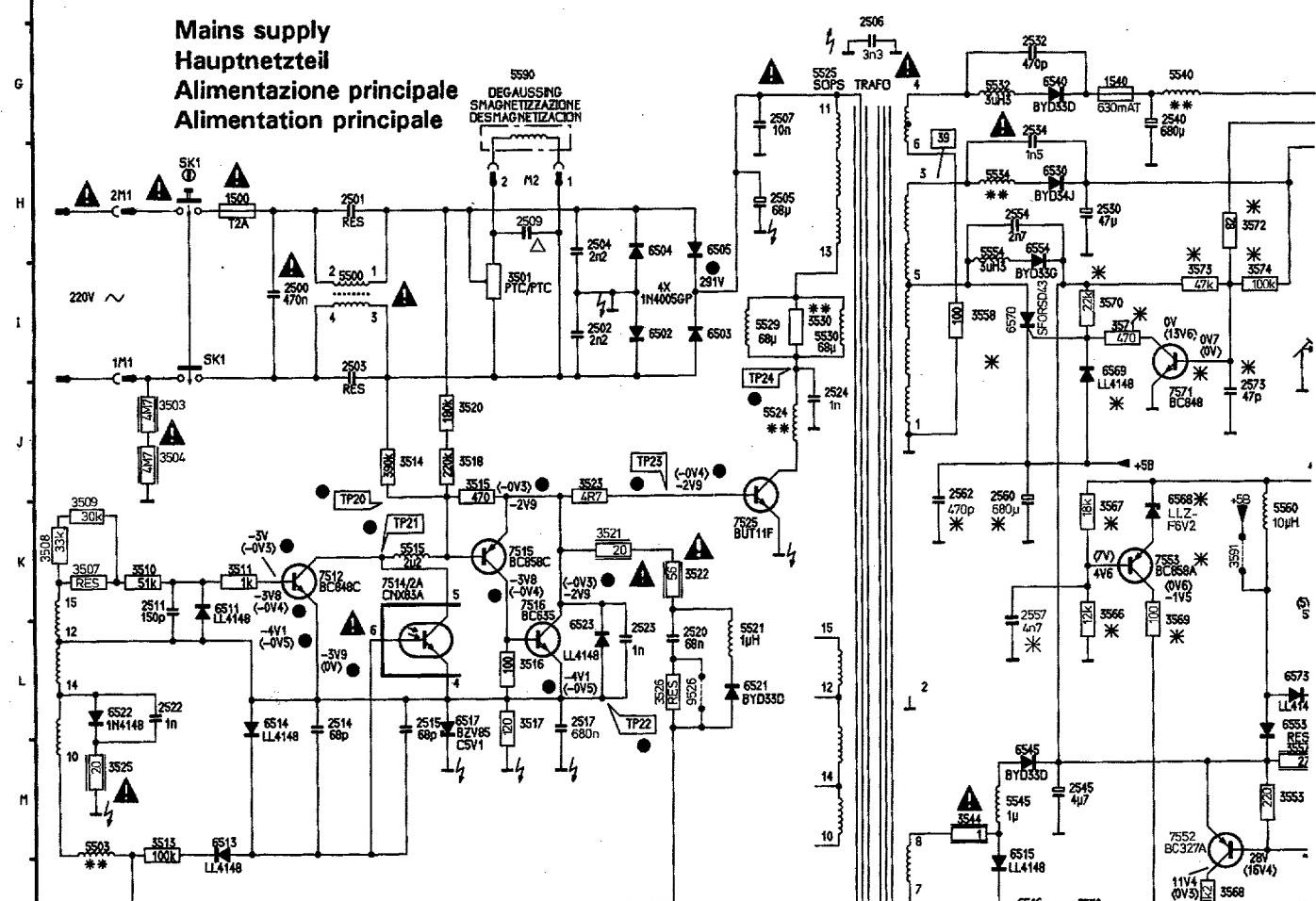


## Mains supply

Hauptnetzteil

#### **Alimentazione principale**

#### **Alimentation principale**

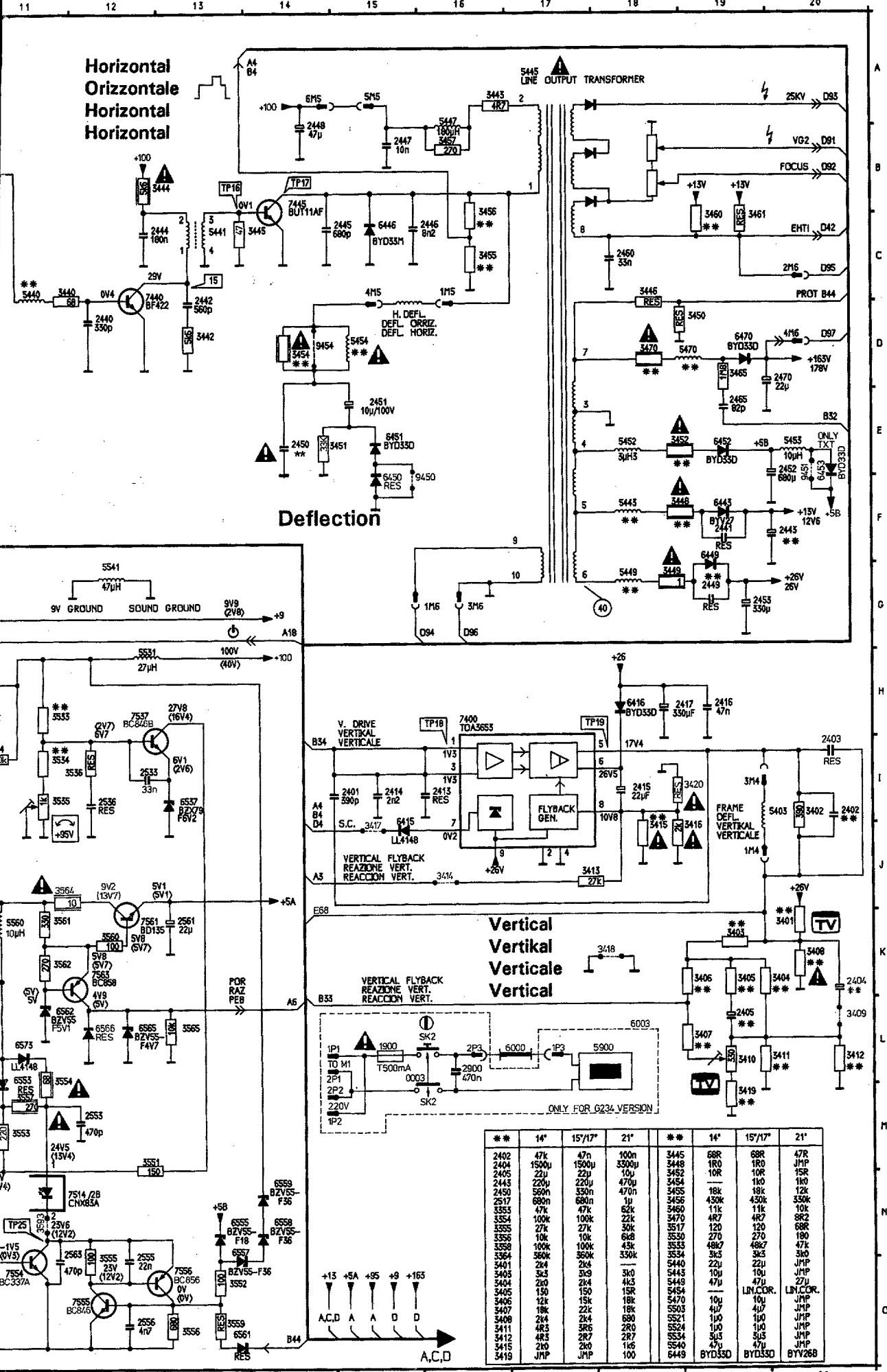


## Power supply

POS NR.	PAL-BIG AMTS BL	PAL-SEC B/G-LL'	PAL-SEC I/B-G-LL
2357	10n	—	—
2368	10n	—	—
2509	2n2	—	—
3050	—	3k3	3k3
3365	RES	2M2	2M2
6050	—	IN4148	IN4148
6365	RES	LL4148	LL4148

\*  
ONLY FOR REMOTE  
CONTROL SETS  
SOLO R.L.

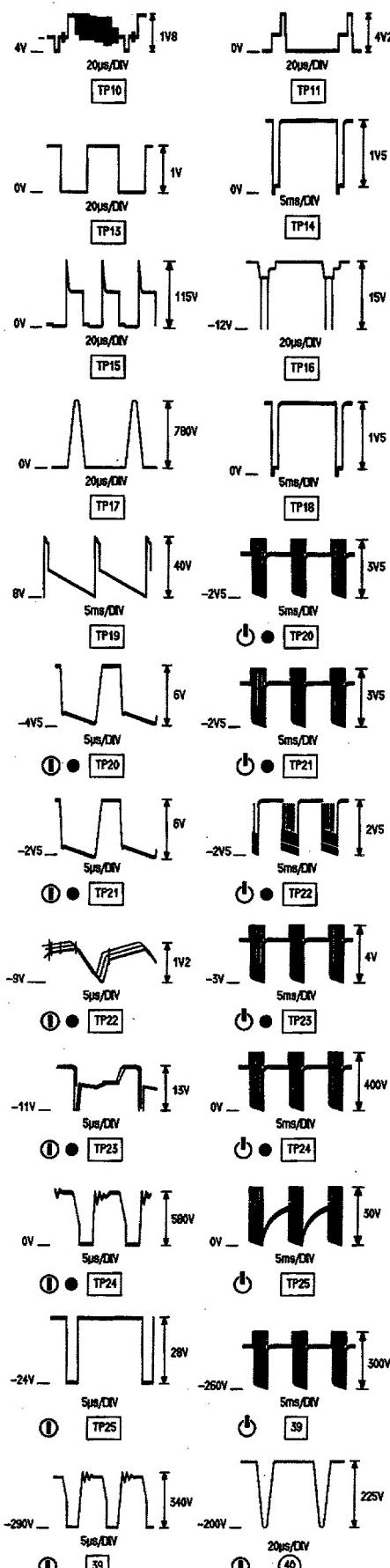
MEASURED IN  
RESPECT TO  
MISURATO NEI  
CONFRONTI



# Synchronisation

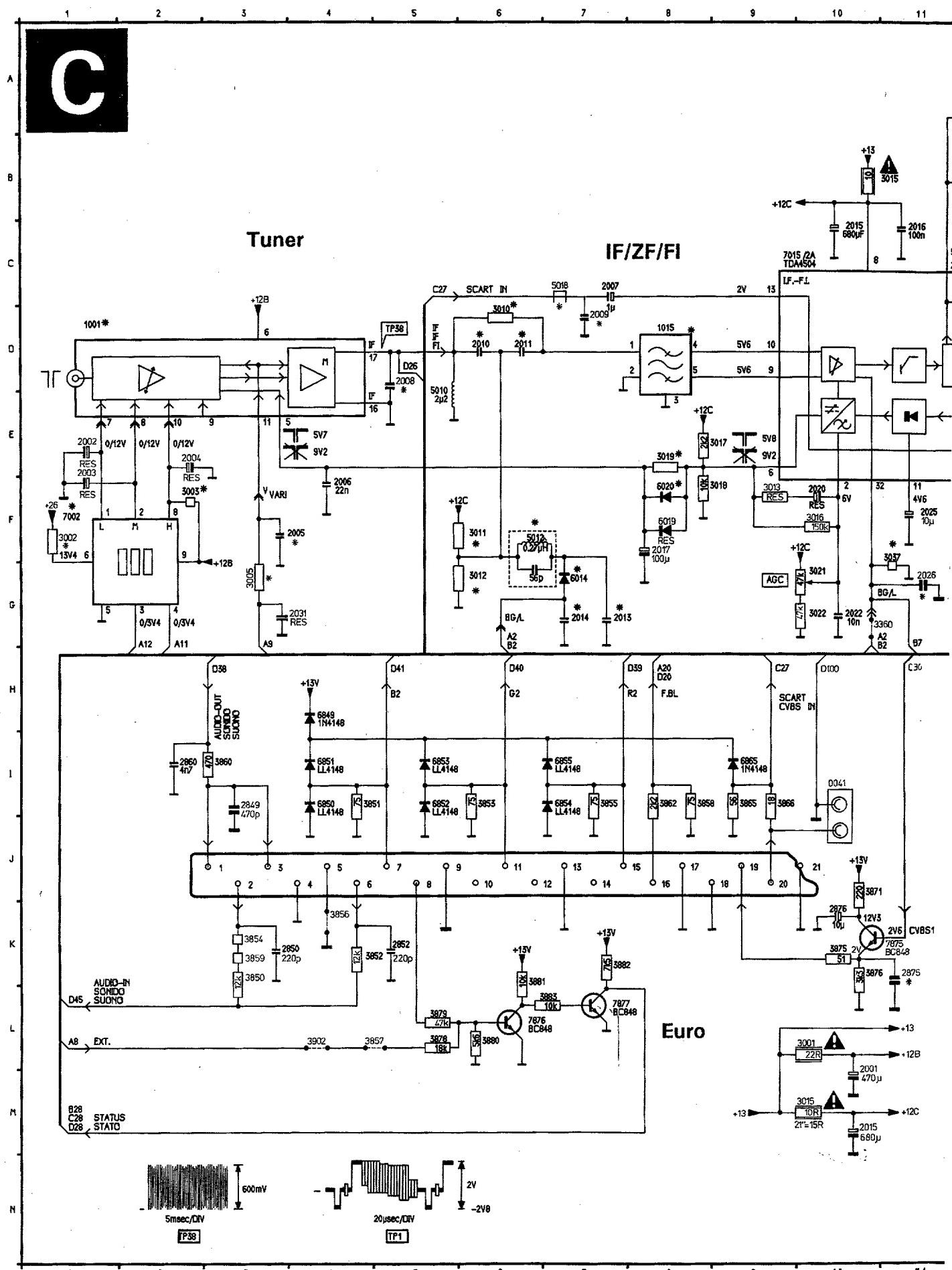
ANUBIS A 6.11

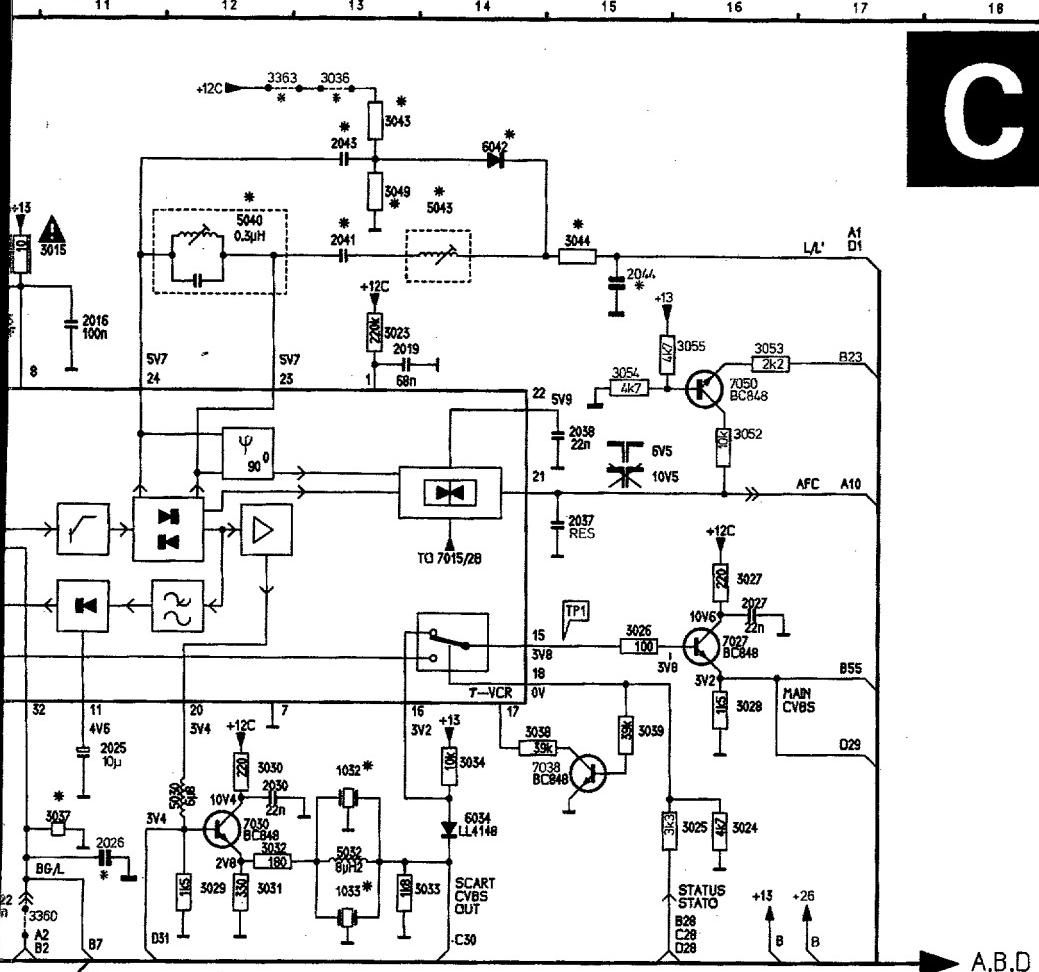
SK1	H2	3405	K19	5524	J7
SK1	I2	3406	K19	5525	G7
SK2	L16	3407	L19	5529	I6
1500	H2	3408	K20	5530	I7
1540	G9	3409	L20	5531	H12
1900	L15	3410	L19	5532	G8
2350	A6	3411	L20	5534	H8
2351	A5	3412	L20	5540	G10
2352	B3	3413	J17	5541	G12
2353	B2	3414	J16	5545	M9
2354	C9	3415	J18	5554	H8
2355	A7	3416	J19	5560	K11
2356	D3	3417	J15	5900	L18
2359	B9	3418	K18	6000	L17
2364	E7	3419	M19	6003	L18
2366	F9	3440	C11	6050	D2
2367	E7	3442	D13	6051	C2
2368	E9	3443	A16	6052	C2
2370	E5	3444	B13	6053	C2
2371	F5	3445	C14	6365	B2
2401	I15	3446	C18	6370	F6
2402	I20	3447	A16	6415	J15
2403	I20	3448	F19	6416	H18
2404	K20	3449	G18	6443	H19
2404	L20	3450	D19	6446	C15
2405	L19	3451	E15	6450	F15
2413	I16	3452	E19	6451	E15
2414	I15	3453	A15	6452	E19
2415	I18	3454	D14	6453	E20
2416	H19	3455	C16	6470	D19
2417	H19	3456	C16	6502	I6
2440	D12	3457	B16	6503	I6
2441	F19	3460	C19	6504	H6
2442	D13	3461	C19	6505	H6
2443	F20	3465	D19	6511	K2
2444	C13	3470	D18	6513	M2
2445	C15	3501	I4	6514	L2
2446	C16	3503	J1	6515	N9
2447	B15	3504	J1	6516	N9
2448	B14	3507	K1	6517	L4
2449	G19	3508	K1	6521	L6
2450	E14	3509	K1	6522	L1
2451	E15	3510	K1	6523	L5
2452	E20	3511	K2	6530	H9
2453	G19	3513	M1	6537	I13
2460	C18	3514	J3	6540	G9
2465	E19	3515	J4	6545	M9
2470	D20	3516	L4	6549	O9
2500	I2	3517	L4	6553	L11
2501	H3	3518	J4	6554	H9
2502	I5	3520	J4	6555	N13
2503	I3	3521	K5	6557	N13
2504	H5	3522	K6	6558	N14
2505	H7	3523	J5	6559	N14
2506	G7	3525	M1	6561	O13
2507	G7	3526	L6	6562	L11
2509	H4	3530	I7	6565	L12
2511	K1	3533	H11	6566	L12
2514	L3	3534	I11	6568	K10
2515	L4	3535	I11	6569	I9
2517	L5	3536	I12	6570	I9
2520	L6	3547	N9	6573	L11
2522	L1	3549	O9	7015	A3
2523	L5	3550	N9	7400	H16
2524	J7	3551	M12	7440	C12
2525	J6	3552	O13	7445	B14
2530	H9	3553	M11	7512	K3
2532	G9	3554	L11	7514	N11
2533	I12	3555	O12	7514	K3
2534	G9	3556	O13	7515	K4
2536	I12	3557	M11	7516	K4
2540	G10	3558	I8	7525	K6
2544	M8	3559	O13	7537	H12
2545	M9	3560	K12	7552	M10
2547	O9	3561	K11	7553	K10
2550	O10	3562	K11	7554	O11
2553	M12	3563	N10	7555	O12
2554	H9	3563	O10	7556	O13
2555	O12	3564	J11	7561	K12
2556	O12	3565	L13	7563	K12
2557	L8	3566	L9	7571	J10
2560	K8	3567	K9	9450	F15
2561	K13	3568	N10	9451	E20
2562	K8	3569	L10	9454	D14
2563	N11	3570	I9	9526	L6
2573	J11	3571	I9		
2900	L16	3572	H11		
3050	D2	3573	I10		
3051	C2	3574	I11		
3317	B2	3591	K10		
3350	A6	3593	N11		
3351	A5	5403	I20		
3353	C9	5440	C11		
3354	C10	5441	C13		
3355	A8	5443	F18		
3356	A8	5445	A17		
3357	B2	5447	A16		
3358	C10	5449	G18		
3359	B9	5452	E18		
3362	E10	5453	E20		
3364	F7	5454	D15		
3365	B2	5470	D19		
3370	E5	5500	I3		
3401	K20	5503	M1		
3402	I20	5515	K3		
3403	K19	5519	J5		
3404	K20	5521	L6		



**SOPs REPAIR KIT**  
**SBC 7021**  
**4822 310 20491**

1500	6517
6502	6523
6503	7512
6504	7514
6505	7515
6511	7516
6513	7526
6514	





## Source selection video

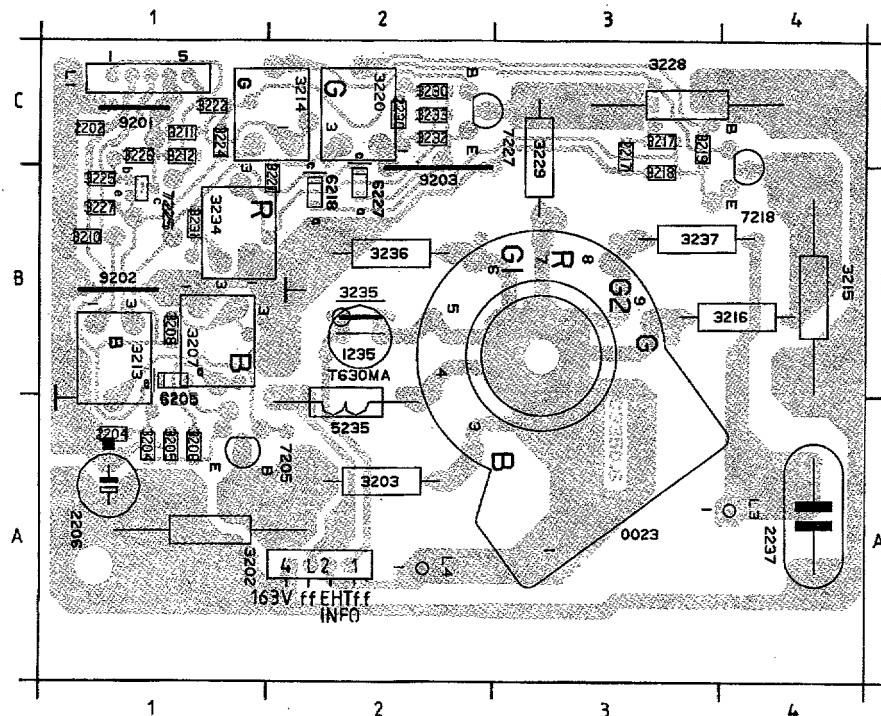
### **Bildquellenwahl**

## **Selezione sorgenti dell' immagine**

### Sélection source image

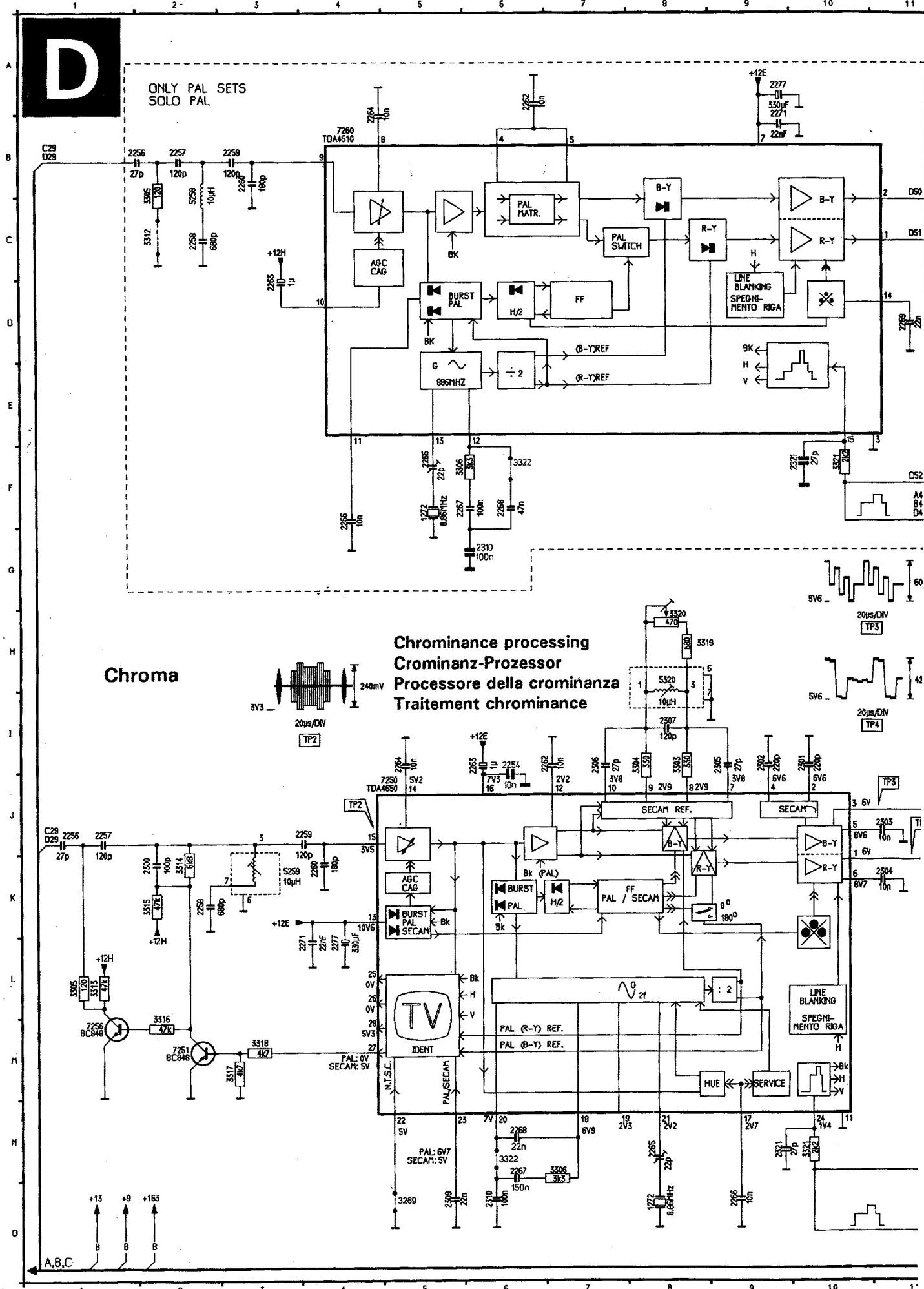
XXX	PAL-B/G	PAL-B/G AMTSBL	PAL-I	PAL-SEC B/G-DK	PAL-SEC B/G-LL'	PAL-SEC I-B/G-LL'	F.MULTI HYP	PAL-B/G HYP
1001	UV917E	UV917E	U943	UV917E	UV917E	UV917E	UV917E	UV915
1015	OFWG1961M	OFWG1961M	OFWG1951M	OFWK2950	OFWG3950	OFWG3950	OFWG3950	OFWG1961M
1032	5,5MHz	5,5MHz	---	5,5MHz	5,5MHz	5,5MHz	5,5MHz	5,5MHz
1033	---	---	6MHz	6,5MHz	6,5MHz	6MHz	6MHz	---
2005	470n	470n	---	470n	---	470n	330n	330n
2008	---	SP6	---	---	---	---	---	---
2009	---	220p	---	---	---	---	---	---
2010	---	---	---	---	---	18p	---	---
2011	---	---	---	---	---	18p	---	---
2013	---	---	---	---	---	18p	---	---
2014	---	---	---	---	---	4n7	---	---
2026	---	---	---	---	---	22n	---	---
2041	---	---	---	---	---	4n7	---	---
2043	---	---	---	---	---	4n7	---	---
2044	---	---	---	---	---	4n7	---	---
2875	---	1n	---	---	---	---	---	---
3002	2k7	2k7	---	2k7	---	2k7	---	2k7
3003	---	---	JMP	---	---	---	---	---
3005	JMP	1K	JMP	JMP	---	JMP	---	JMP
3010	JMP	JMP	JMP	JMP	---	56R	---	JMP
3011	---	---	---	---	---	5k6	---	---
3012	---	---	---	---	---	5k6	---	---
3019	180	180	180	180	---	5k6	---	180
3036	---	---	---	---	---	JMP	---	---
3037	JMP	JMP	JMP	JMP	---	---	---	JMP
3043	---	---	---	---	---	10k	---	---
3044	---	---	---	---	---	10k	---	---
3049	---	---	---	---	---	68k	---	---
3363	---	---	---	---	---	JMP	---	---
5012	---	---	---	---	---	0,28uH	---	---
5018	---	YES	---	---	---	---	---	---
5040	0,19uH	0,19uH	0,19uH	0,19uH	---	0,30uH	---	0,19uH
5043	---	---	---	---	---	0,70uH	---	---
6014	---	---	---	---	---	BA682	---	---
6020	---	---	---	---	---	LLZ-C2V4	---	---
6042	---	---	---	---	---	BAS82	---	---
7002	LA7910	LA7910	---	LA7910	---	LA7910	---	LA7910

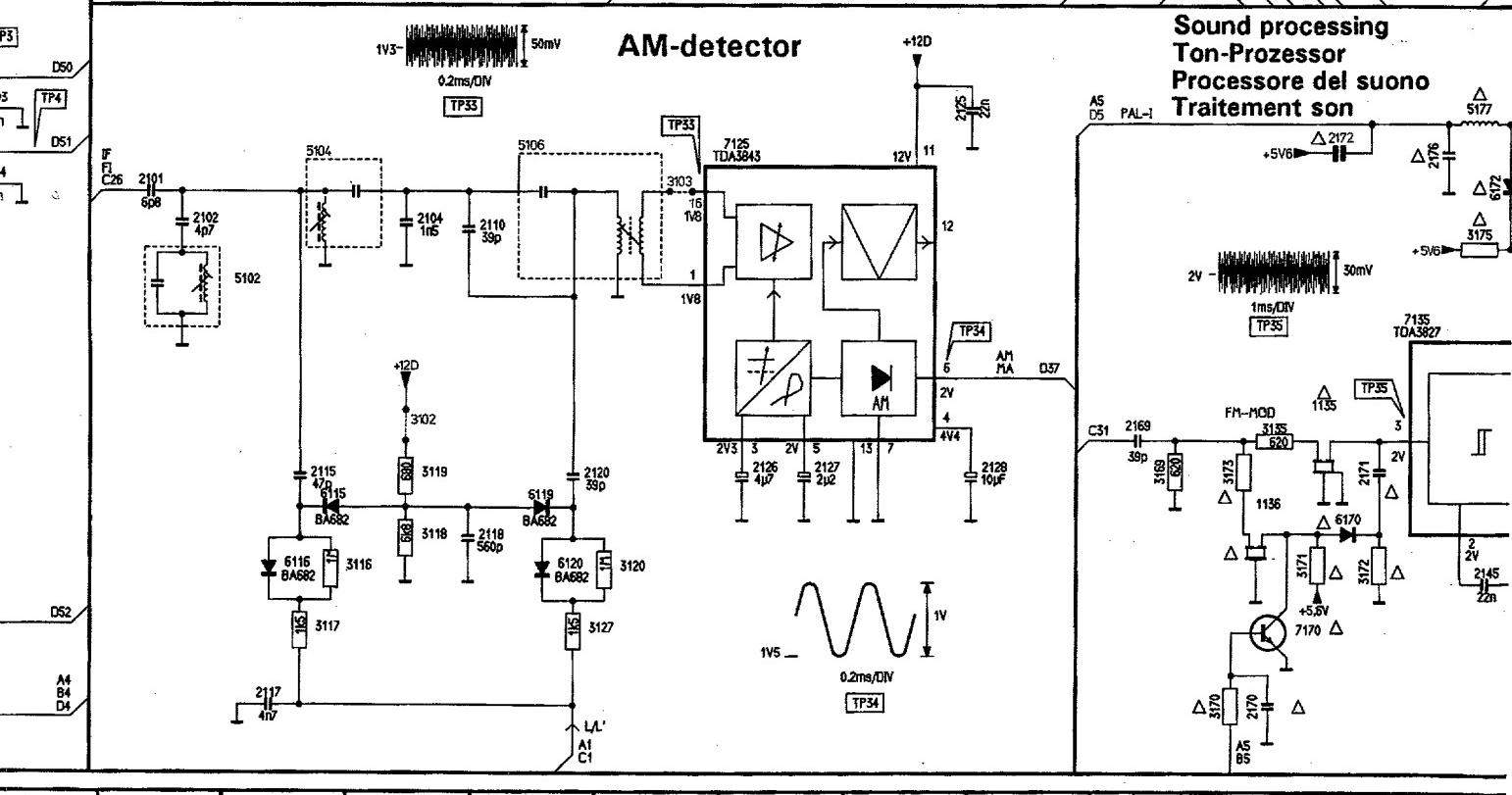
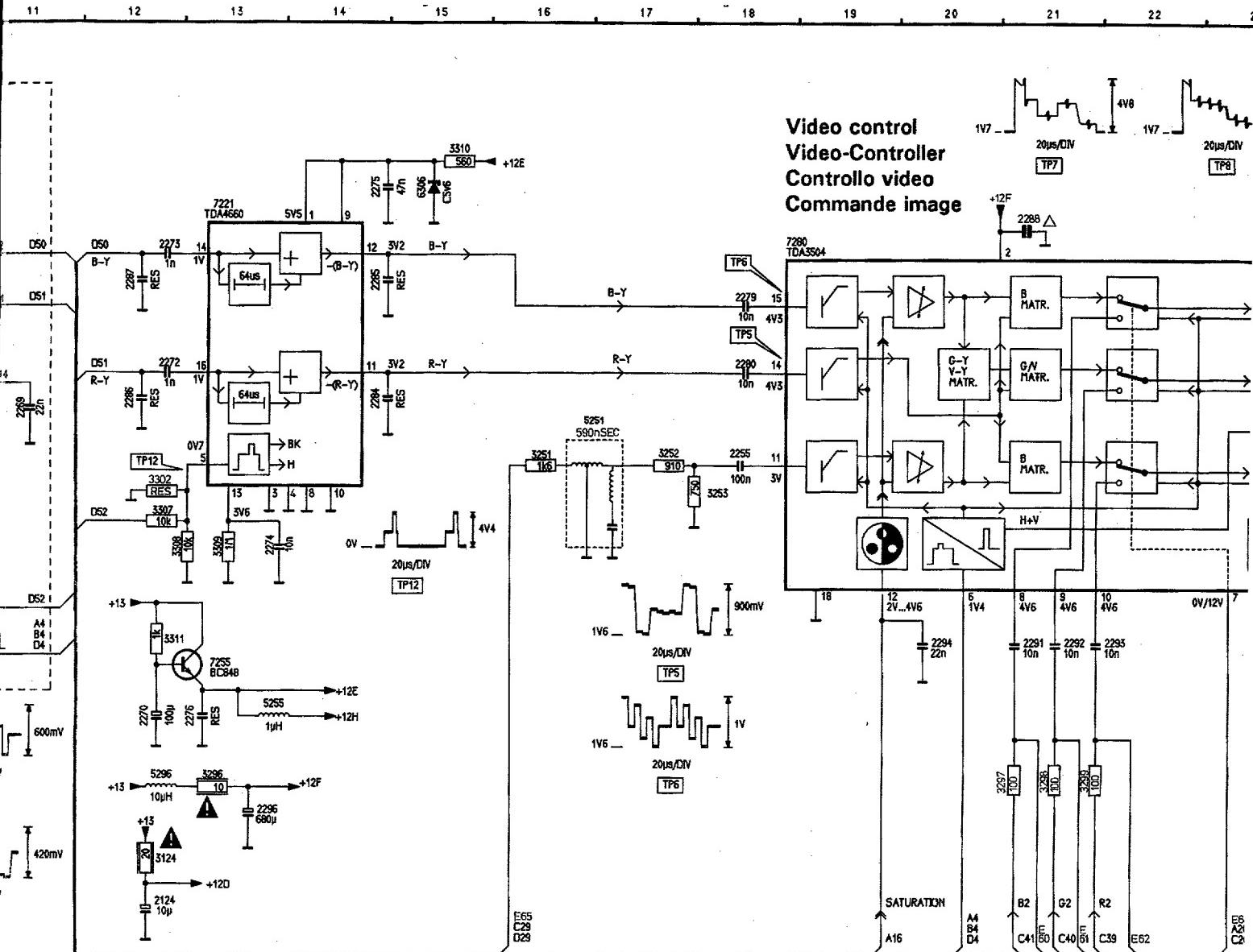
0041	I10	3883	L7
1001	D1	3902	L4
1015	D8	5010	E5
1032	F13	5012	F6
1033	G13	5018	C7
2001	M10	5030	F12
2001	C3	5032	G13
2002	E1	5040	B12
2003	F1	5043	B14
2004	E2	6014	G7
2005	F4	6019	F8
2006	F4	6020	F8
2007	C7	6034	F14
2008	D5	6042	A14
2009	D7	6849	H4
2010	D6	6850	I4
2011	D6	6851	I4
2012	E6	6852	I5
2013	G7	6853	I5
2014	G7	6854	I7
2015	M10	6855	I7
2015	C10	6865	I9
2016	C11	7002	F1
2017	F8	7015	C9
2018	G8	7027	E16
2019	C13	7030	E16
2020	F10	7038	F15
2022	G10	7039	F15
2025	F11	7050	C16
2026	G11	7875	K11
2027	E16	7876	L6
2030	F12	7877	L7
2031	G5		
2037	D15		
2038	C15		
2041	B13		
2043	A13		
2044	B15		
2850	K30		
2852	K5		
2860	I2		
2876	K10		
3001	L10		
3001	C3		
3002	F1		
3002	G1		
3003	F2		
3005	G3		
3010	D6		
3011	F6		
3012	G6		
3013	F10		
3013	F9		
3015	B11		
3015	M10		
3016	F9		
3016	F10		
3017	E9		
3018	F9		
3019	E8		
3021	G10		
3022	G10		
3023	C13		
3024	G16		
3025	G16		
3026	E15		
3027	E16		
3028	F16		
3029	G12		
3030	F12		
3031	G12		
3032	G12		
3033	G13		
3034	F14		
3036	A13		
3037	F11		
3038	F14		
3039	F15		
3043	A13		
3044	B15		
3049	B13		
3052	D16		
3053	C16		
3054	C15		
3055	C15		
3360	G10		
3363	A12		
3850	K3		
3851	I4		
3852	K5		
3853	I6		
3855	I7		
3856	K4		
3857	L4		
3858	I8		
3860	I3		
3862	I8		
3865	I9		
3866	I9		
3871	J10		
3875	K10		
3876	K10		
3878	L5		
3879	L5		
3880	L6		
3881	L6		
3882	K7		

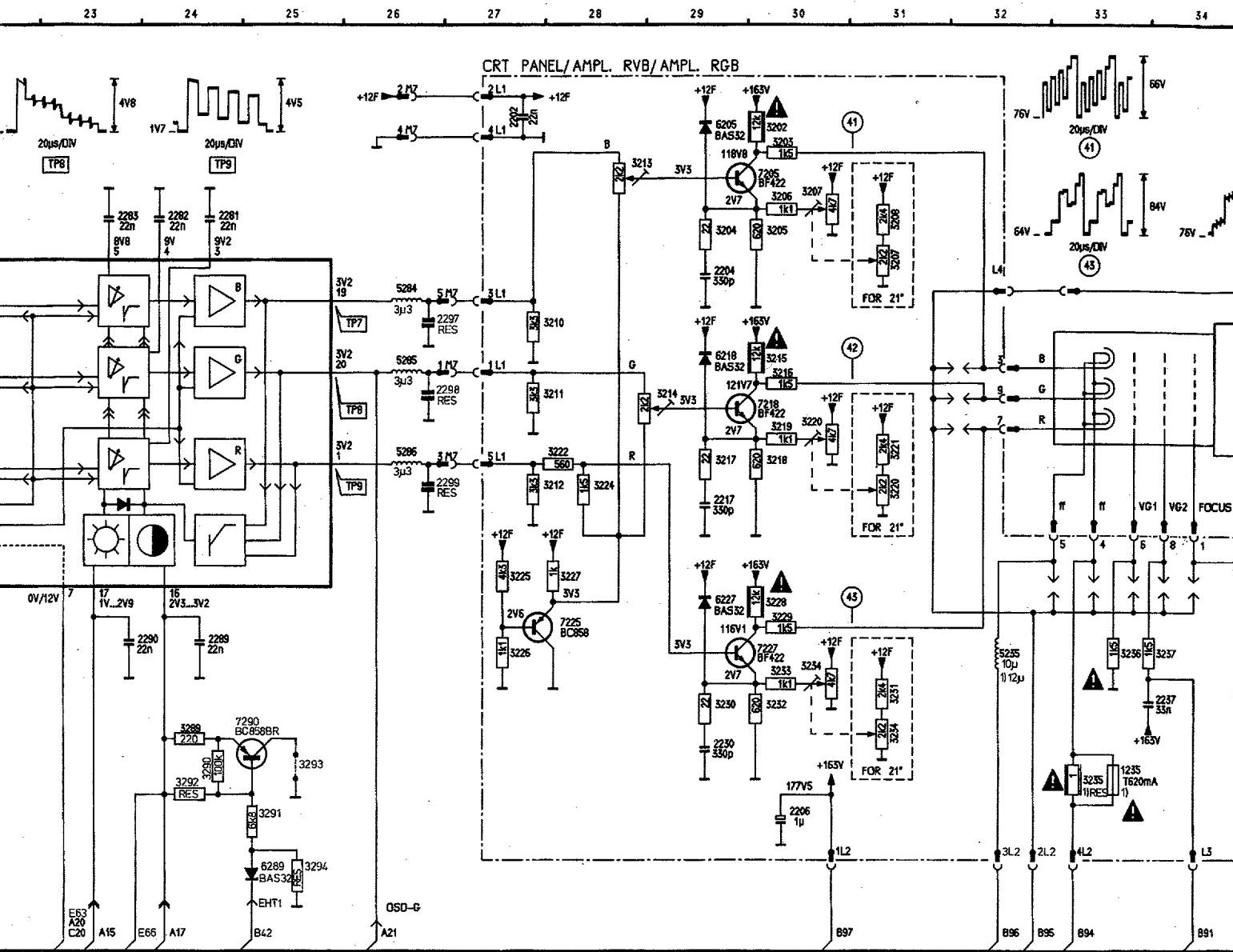


1235	B2	3205	A1	3216	B4	3227	B1	3237	B3	9202	B1
2202	C1	3206	A1	3217	C3	3228	C3	5235	A2	9203	C2
2204	A1	3207	B1	3218	B3	3229	C3	6205	B1	L1	C1
2206	A1	3208	B1	3219	C3	3230	C2	6218	B2	L2	A2
2217	C3	3210	B1	3220	C2	3231	B1	6227	B2	L3	A4
2230	C2	3211	C1	3221	B2	3232	C2	7205	A1	L4	A2
2237	A4	3212	C1	3222	C1	3233	C2	7218	C4		
3202	A1	3213	A1	3224	C1	3234	B1	7225	B1		
3203	A2	3214	C2	3225	B1	3235	B2	7227	C2		
3204	A1	3215	B4	3226	C1	3236	B2	9201	C1		

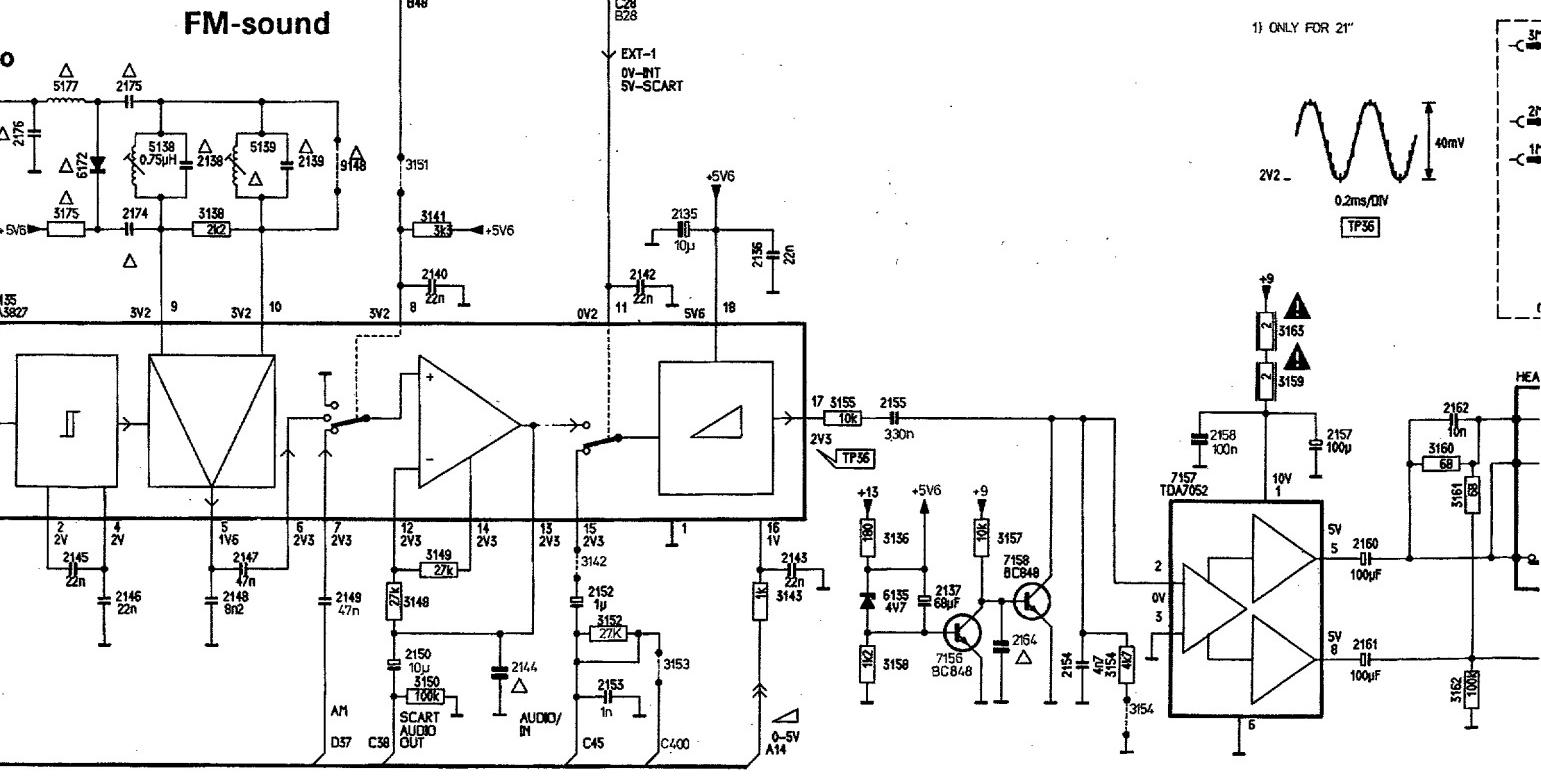
POS. NR.	SYSTEM BG	PAL-BG AMTSBL	SYSTEM I	SYSTEM BGDK	SYSTEM BGLL'	SYSTEM BGI LL'
1135	SFT5,5MHz	SFT5,5MHz	SFT6,0MHz	SFT5,5MHz	SFT5,5MHz	SFT5,5MHz
1136	---	---	820P	SFT6,5MHz	---	SFT6,0MHz
2138	1n	1n	---	1n	1n	820p
2139	---	---	---	820p	---	---
2144	---	1n2	---	---	---	---
2154	---	10n	---	---	---	---
2170	---	---	---	---	---	10n
2171	---	---	---	JMP	---	4n7
2172	---	---	---	---	---	100
2174	---	---	---	---	---	180p
2175	---	---	---	---	---	1n5
2176	---	---	---	---	---	10n
2288	---	---	---	---	---	---
3137	---	---	---	JMP	---	---
3141	---	---	---	---	3k3	3k3
3170	---	---	---	---	---	47K
3171	---	---	---	---	---	4K7
3172	---	---	---	---	---	4K7
3173	---	---	---	620	---	620
3175	---	---	---	---	---	1k0
5139	---	---	---	0,75uH	---	---
5177	---	---	---	---	---	100uH
5255	JMP	JMP	JMP	JMP	JMP	JMP
6170	---	---	---	JMP	---	BAS82
6172	---	---	---	---	---	BAS82
7170	---	---	---	---	---	BC848
9148	JMP	JMP	JMP	---	JMP	JMP

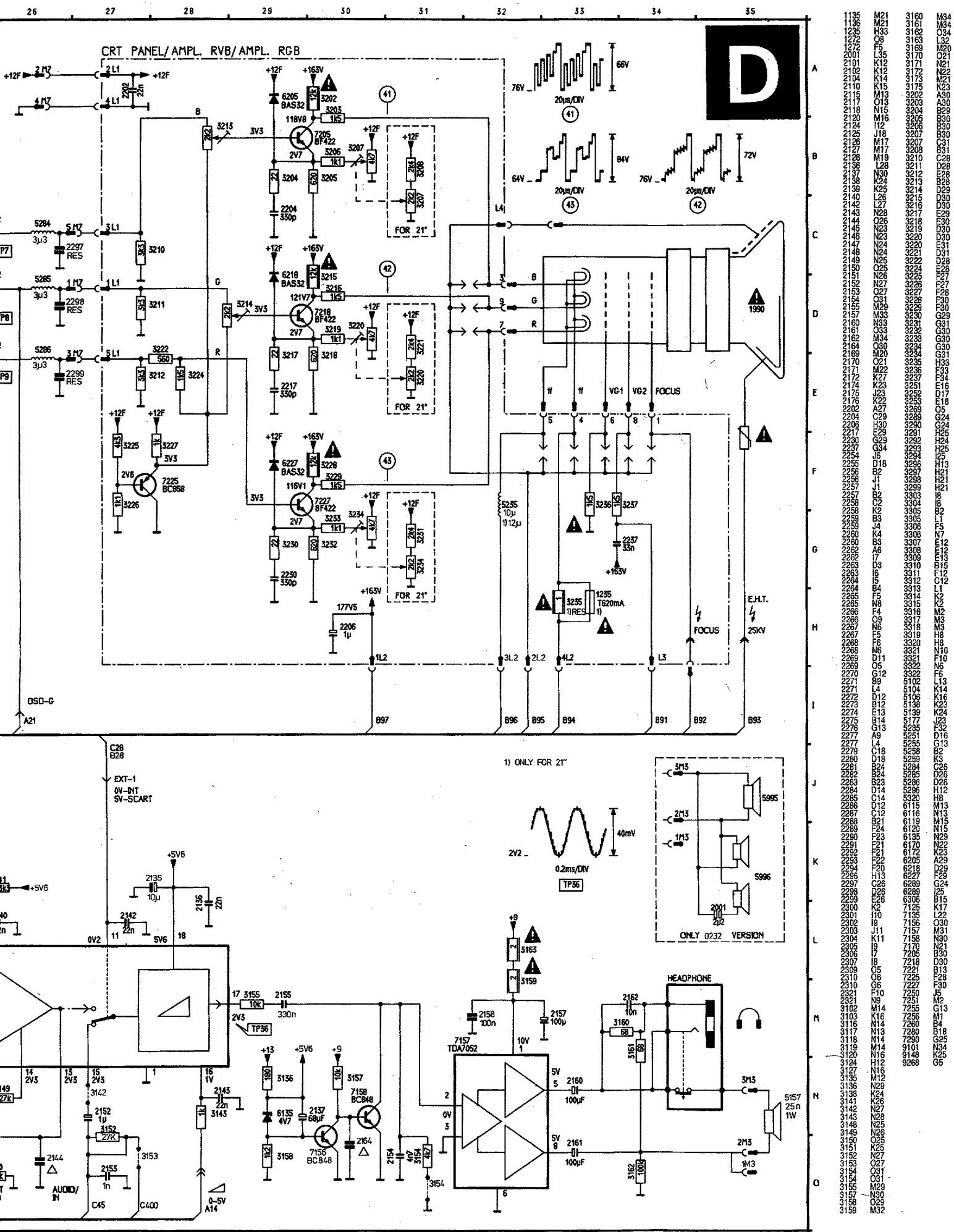


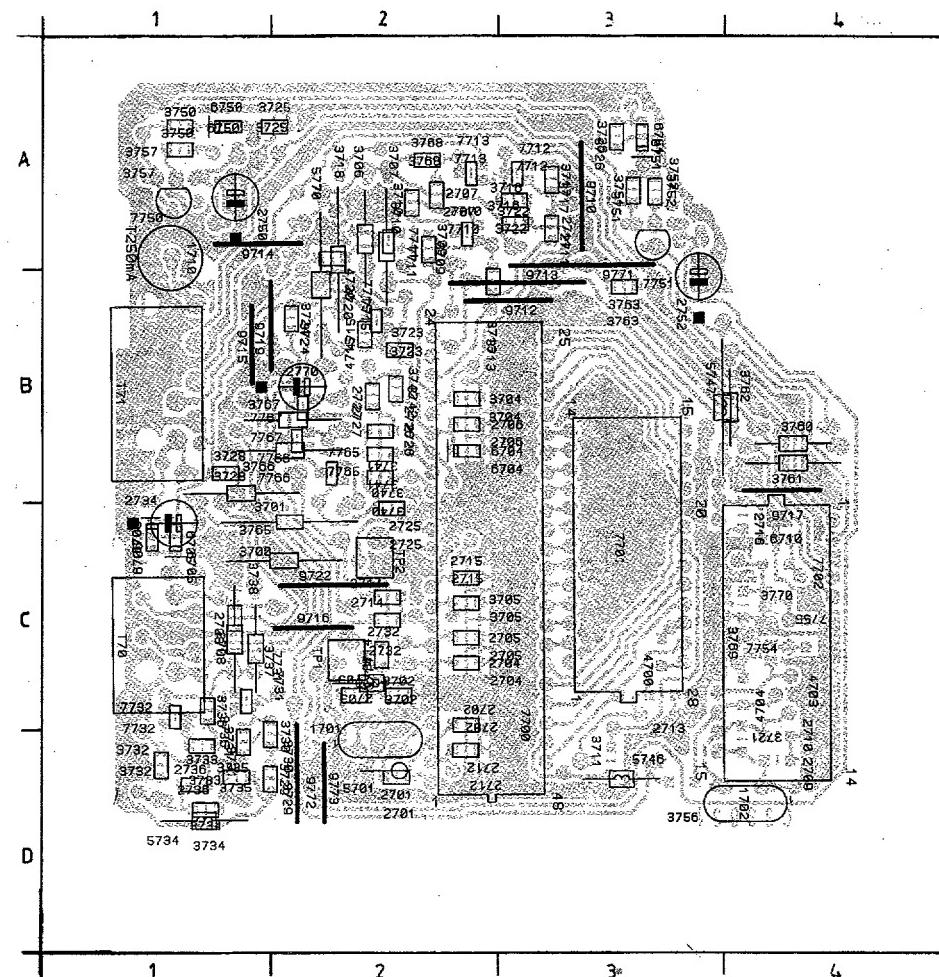




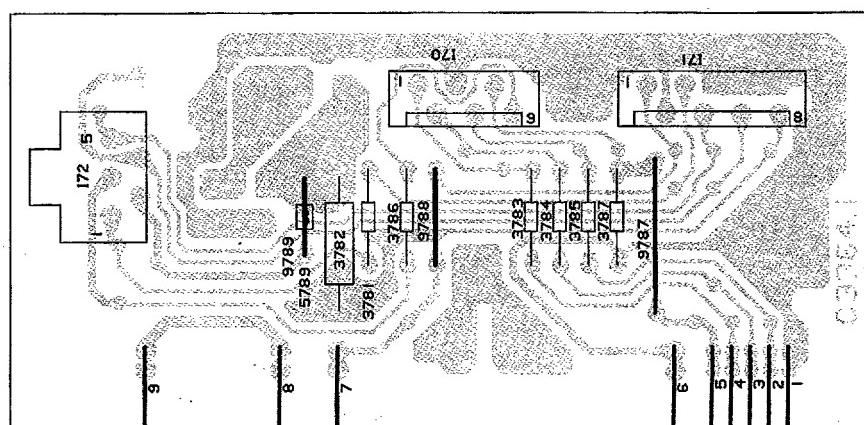
## FM-sound







1702	D4	2727	B2	3717	A3	3741	B2	4715	B2	7713
1710	A1	2732	C2	3718	A2	3742	B2	4720	A2	7715
2701	D2	2734	C1	3721	D4	3750	A1	5701	D2	7731
2702	D2	2736	D1	3722	A3	3751	A3	5704	C2	7732
2703	C2	2750	A1	3723	B2	3752	A3	5734	D1	775C
2704	C2	2752	A3	3724	B2	3756	D3	5746	D3	7751
2705	C2	2770	B2	3725	A2	3757	A1	5747	B4	7754
2706	B2	3700	C2	3726	A3	3760	B4	5770	B2	775E
2707	A2	3701	B1	3728	B1	3761	B4	6704	B2	776E
2708	C1	3702	C2	3729	D2	3762	B4	6705	C1	776E
2709	D4	3704	B2	3730	D2	3763	B3	6706	C1	7767
2710	D4	3705	C2	3731	D1	3765	C2	6710	C4	971C
2711	A3	3706	A2	3732	D1	3766	B2	6750	A1	971E
2712	D2	3707	A2	3733	D1	3767	B2	6751	A3	971S
2713	C3	3709	A2	3734	D1	3768	A2	7700	C2	971A
2714	C2	3710	A2	3735	D1	3769	C4	7701	C3	971E
2715	C2	3711	D3	3736	C1	3770	C4	7702	C4	971E
2716	C4	3713	B2	3737	C1	4700	C3	7710	A2	971T
2725	C2	3714	C2	3738	C1	4703	C4	7711	A2	971S
2726	B2	3716	A3	3740	B2	4704	C4	7712	A3	9722

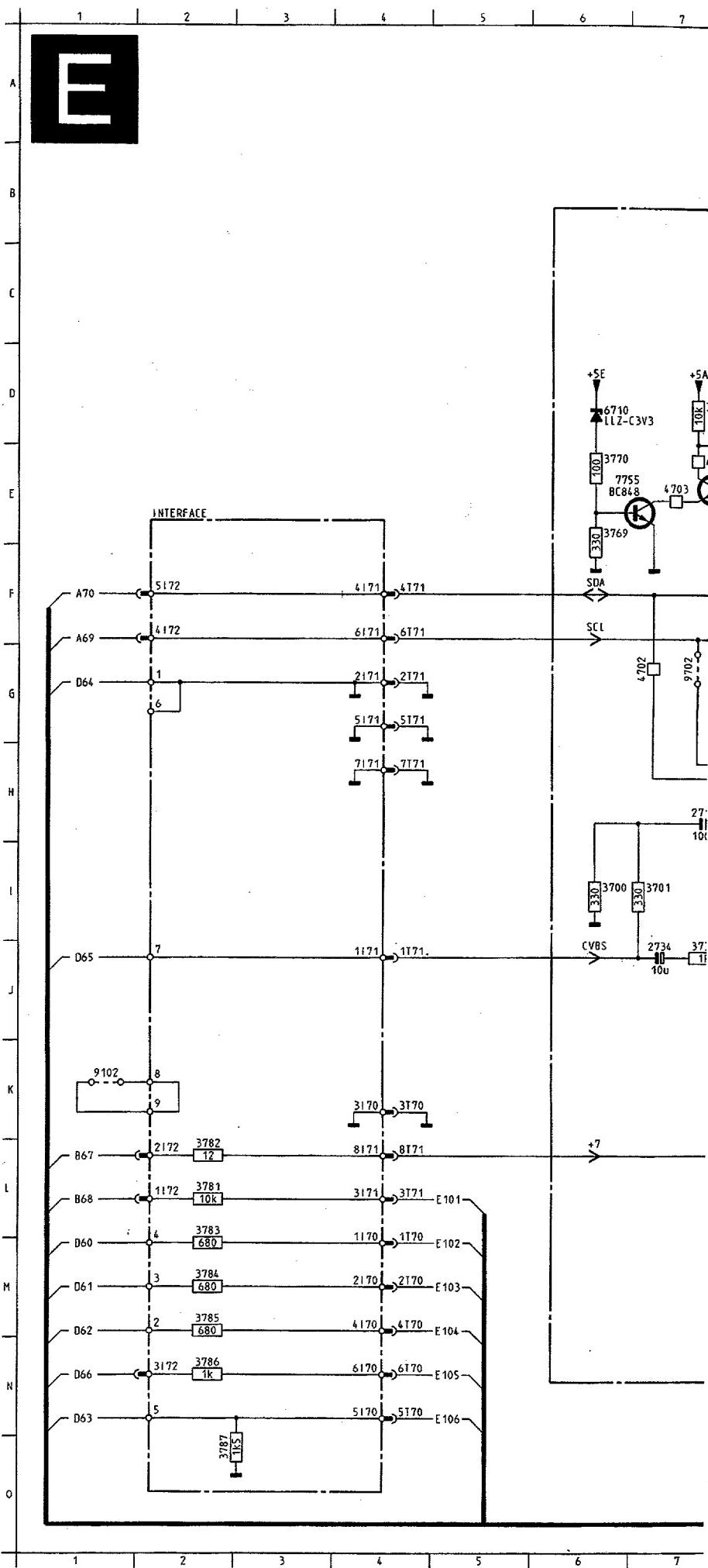


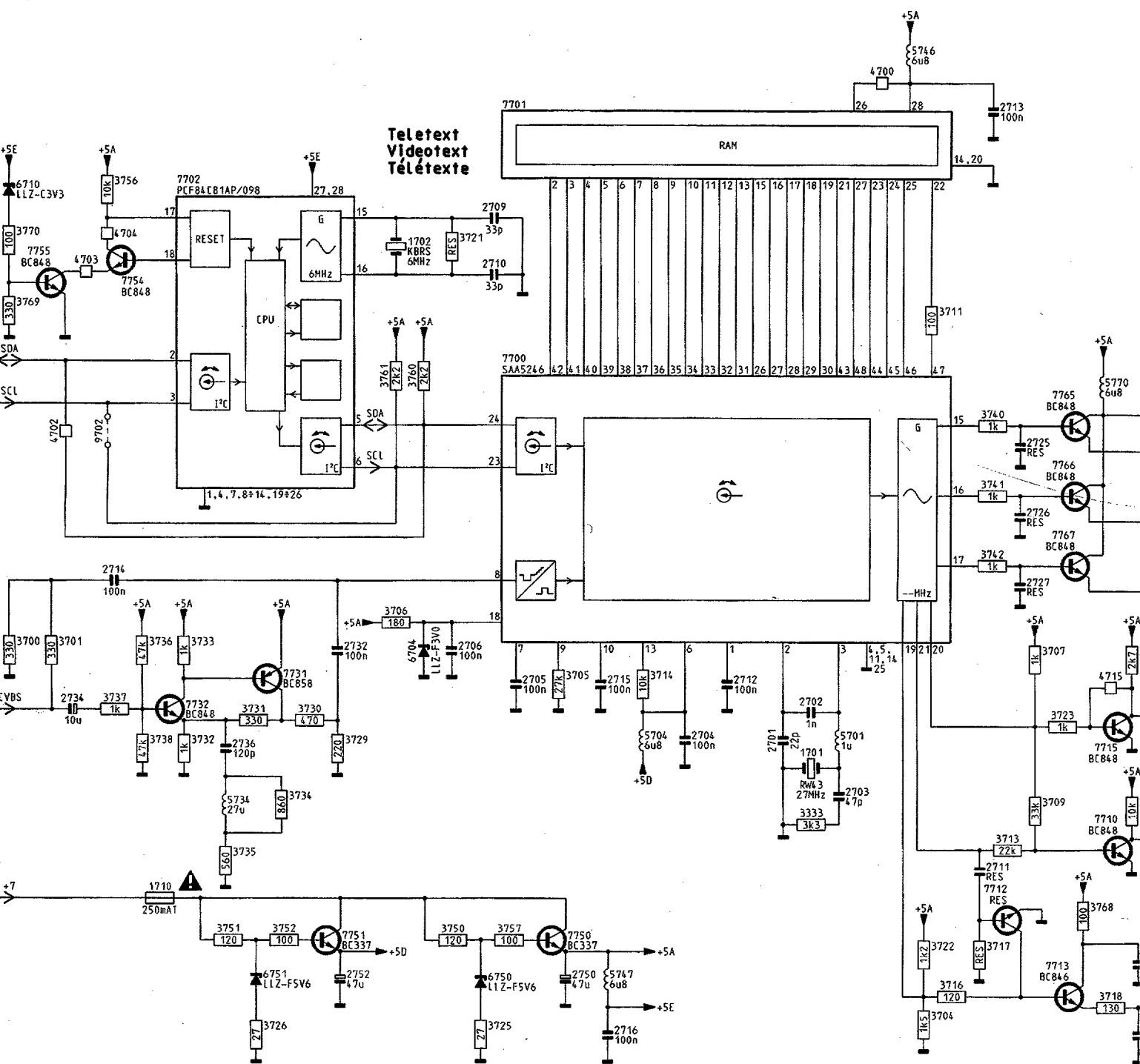
# / Télétexte

# Teletext / Videotext / Télétexte



7713 A2	9771 A3
7715 B2	9772 D2
7731 C1	9773 D2
7732 C1	T70 C1
7750 A1	T71 B1
7751 A3	TP1 C2
7754 C4	TP2 C2
7755 C4	
7765 B2	
7766 B2	
7767 B2	
9710 A3	
9712 B3	
9713 A3	
9714 A1	
9715 B1	
9716 C2	
9717 B4	
9719 B2	
9722 C2	





11

12

13

4

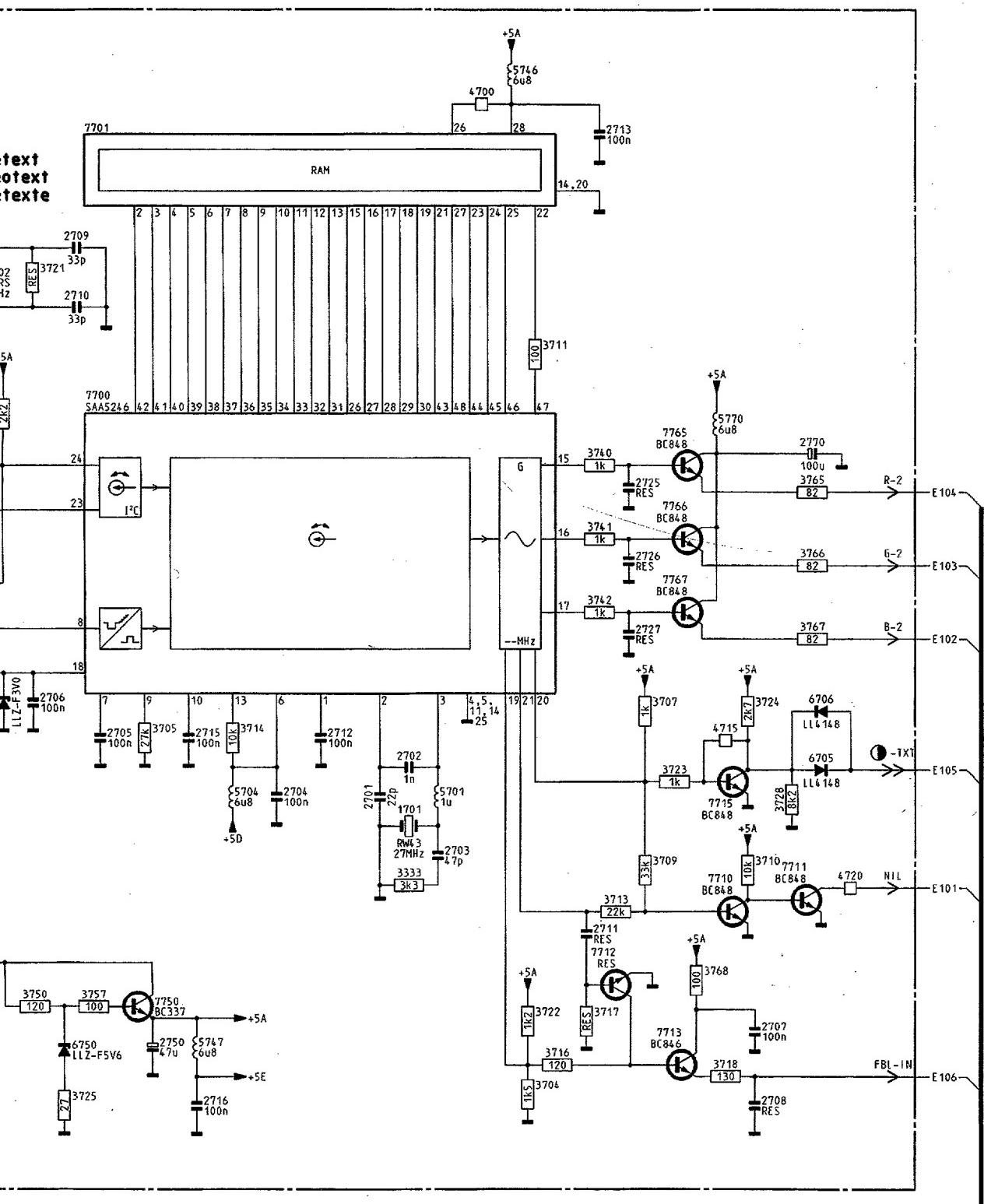
15

16

17

1

20



ANUBIS A

C126532161/012, EREF  
300992

1701	J15	7766	G17
1702	E10	7767	H17
1710	L 8	9102	K 1
2701	J14	9702	G 7
2702	J15		
2703	K15		
2704	J13		
2705	I12		
2706	I11		
2707	L18		
2708	H18		
2709	O11		
2710	E11		
2711	K16		
2712	I14		
2713	C17		
2714	H 7		
2715	I12		
2716	H13		
2725	G17		
2726	H17		
2727	H17		
2732	I10		
2734	J 7		
2736	J 8		
2750	M12		
2752	M10		
2770	F19		
3333	K15		
3700	I 6		
3701	I 7		
3704	M16		
3705	I12		
3706	I10		
3707	I17		
3709	K17		
3710	K18		
3711	E16		
3713	K17		
3714	I13		
3716	M16		
3717	L16		
3718	M18		
3721	E11		
3722	L16		
3723	I17		
3724	I18		
3725	M11		
3726	I 9		
3728	J18		
3729	J10		
3730	J 9		
3731	J 9		
3732	J 8		
3733	I 8		
3734	K 9		
3735	K 9		
3736	I 8		
3737	J 7		
3738	J 8		
3740	G17		
3741	G17		
3742	H17		
3750	L11		
3751	L 8		
3752	L 9		
3756	D 7		
3757	L11		
3760	F10		
3761	F10		
3765	G19		
3766	H19		
3767	H19		
3768	L18		
3769	E 6		
3770	E 6		
3781	L 2		
3782	L 2		
3783	L 2		
3784	M 2		
3785	M 2		
3786	N 2		
3787	O 2		
4700	C15		
4702	G 7		
4703	E 7		
4704	E 7		
4715	I18		
4720	K19		
5701	J15		
5704	J13		
5734	K 8		
5746	C16		
5747	M12		
5770	F18		
6704	I10		
6705	J19		
6706	I19		
6710	D 6		
6750	M11		
6751	M 9		
7700	F11		
7701	C11		
7702	D 8		
7710	K18		
7711	K19		
7712	L17		
7713	L17		
7715	J18		
7731	I 9		
7732	J 8		
7750	L12		
7751	L10		
7754	E 7		
7755	E 7		
7765	E17		

# Electrical adjustments

ANUBIS A

7.1

## 1. Adjustments on the main panel (Fig. 7)

### 1.1 +100V power supply voltage

Connect a voltmeter (DC) between pin 6 of connector M5 and ground. Adjust potentiometer 3535 for a voltage of +100V (14"-17") or +92,5V (21").

### 1.2 Horizontal synchronization

Interconnect pins 8 and 28 of IC7015. Apply an aerial signal and tune the set. Adjust potentiometer 3356 until the picture is straight. Remove the interconnection.

### 1.3 Horizontal centring

Is adjusted with potentiometer 3354.

### 1.4 Vertical centring

Can be adjusted by eventually mounting one of the resistors 3401 or 3408.

### 1.5 Picture height

Is adjusted with potentiometer 3410.

### 1.6 Focussing

Is adjusted with the focussing potentiometer in the line output transformer (see Fig. 8).

### 1.7 IF filter for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect a signal generator (e.g. PM 5326) via a condensator 5p6 to pin 17 of the tuner and adjust the frequency for 33.4 MHz. Connect an oscilloscope to pin 1 of filter 1015. Switch on the set and select system Europe via the system button on the set.

Adjust 5012 for a minimum amplitude.

### 1.8 AFC

#### a. Alignments for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect a signal generator (e.g. PM 5326) as indicated in point 1.7 and adjust the frequency for 33.4 MHz. Tune the set in the VHF1 band at a tuning voltage of approx. 5V on pin 11 of the tuner. Select system France via the system button on the set. Connect a voltmeter to pin 21 of IC7015. Adjust 5040 for 6V (DC).

Next adjust the frequency of the signal generator for 38,9 MHz. Select system Europe on the set. Adjust 5043 for 6V (DC).

#### b. Alignment for PAL BG-, PAL/SECAM BG-, PAL/SECAM BGDK- or PAL I sets

Connect a signal generator (e.g. PM 5326) as indicated in point 1.7 and adjust the frequency for 38,9 MHz (PAL I: 39,5MHz). Connect a voltmeter to pin 21 of IC7015. Adjust 5040 for 6V (DC).

### 1.9 RF AGC

If the picture of a strong local transmitter is reproduced distorted, adjust potentiometer 3021 until the picture is undistorted.

### 1.10 Chroma band-pass filter for PAL/SECAM sets

Connect a signal generator (e.g. PM5326) to pin 20 of the euro connector and adjust it for a frequency of 4,286 MHz. Connect pin 8 of the euro connector and pin 27 of IC7250 to pin 13 of IC7250 (+12V). Connect an oscilloscope to pin 15 of IC7250. Adjust 5259 for a maximum amplitude. Remove the interconnections.

### 1.11 Chroma subcarrier oscillator

Apply a PAL colour-bar pattern. Interconnect pin 11 of IC7260 (TDA4510) or pin 17 of IC7250 (TDA4650) to ground. Adjust 2265 so that colour pattern on the screen is practically stationary. Remove the interconnection.

### 1.12 SECAM demodulators for PAL/SECAM sets

Apply a SECAM black pattern. Connect an oscilloscope to pin 1 of IC7250. Adjust 5320 for 0 reading. Connect the oscilloscope to pin 3 of IC7250. Adjust 3320 for 0 reading.

### 1.13 The FM sound section

#### a. General adjustments

Apply a PAL BG (PAL I for PAL I sets) generator signal whose sound carrier is (FM) modulated with a frequency of 1 kHz. Set the generator to the mono mode. Tune the set and select, if possible, system Europe. Adjust 5138 for maximum sound output.

#### b. Additional adjustment for PAL/SECAM BGDK sets

After the general adjustment (see point a.) put the generator in SECAM DK position. Adjust 5139 for maximum sound output.

### 1.14 The AM sound section for PAL/SECAM BGLL'- or PAL/SECAM BGLL'I sets

Connect pin 3 of IC7125 to a fixed voltage level of +2V by means of an adjustable power supply. Connect a signal generator (e.g. PM 5326) via a condensator 5p6 to pin 17 of the tuner and adjust the frequency for 32,4 MHz. Modulate (AM) the signal with 1 kHz.

Tune the set in the UHF band and select system France.

First adjust 5106 for maximum sound output. Next adjust 5104 for maximum sound output.

Adjust the frequency of the signal generator for 30,9 MHz, and modulate (AM) the signal with 1 kHz.

Adjust 5102 for minimum sound output.

Remove the power supply connection.

## 7.1 7.2 ANUBIS A

### 2. Adjustments on the picture tube panel (Fig. 9)

#### 2.1 Cut-off points of picture tube

Apply a black pattern generator signal. Adjust contrast at minimum. Adjust brightness until the DC voltage across potentiometer 3213 is 0V. Adjust 3207, 3220 and 3234 for a black level of 125V on the collectors of transistors 7205, 7218 and 7227. Adjust Vg2 potentiometer until the gun that first emits light is just no longer visible. Adjust the two other guns with the respective controls (3207, 3220 or 3234) until just no light will be visible.

#### 2.2 Grey scale

Apply a test pattern signal and adjust the set for normal operation. Allow the set to warm up for about 10 minutes. Adjust 3213 and 3214 until the desired grey scale has been obtained.

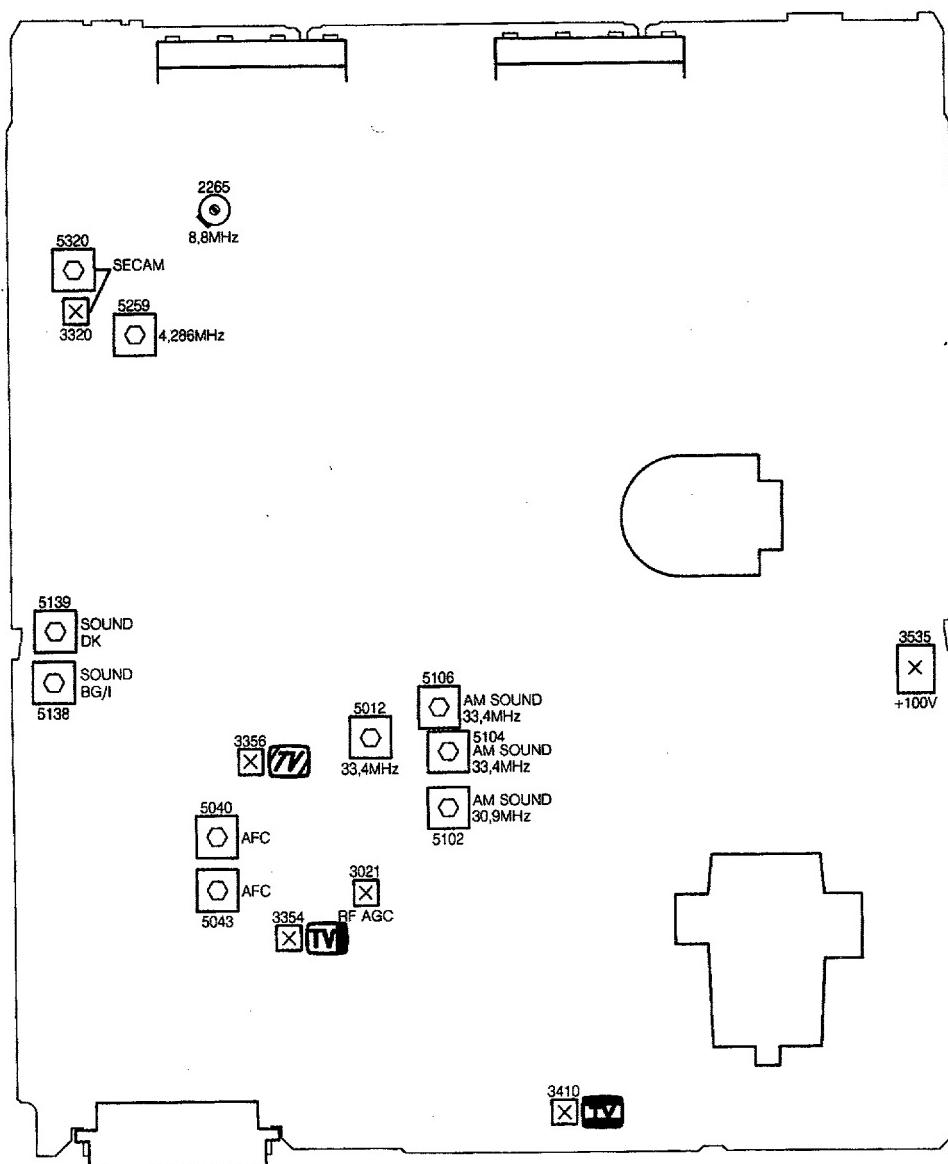


Fig. 7

MDA.02811  
T10/037

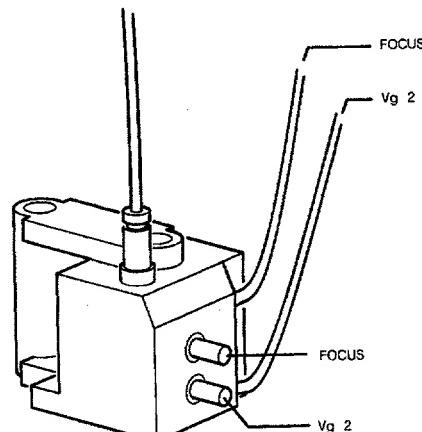


Fig. 8

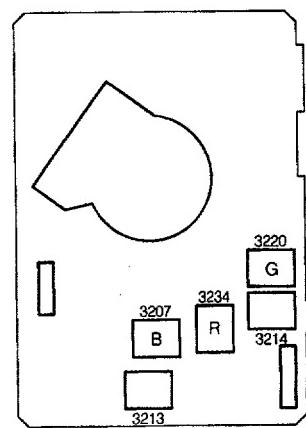


Fig. 9

MDA.02812  
T28/036

# List of error messages

ANUBIS A 8.1

ERROR MESSAGE	ERROR DESCRIPTION	POSSIBLE DEFECTIVE COMPONENT
Flashing LED	Internal $\mu$ C error	IC7600
F2 + Flashing LED	EEPROM error	IC7685

2507	5322 121 42919	10nF 10% 400V	2875	5322 122 31647	1nF 10% 63V	3154	4822 051 10272	2k7 2% 0,25W
2509	4822 126 11141	2,2nF 10% 1KV	2876	4822 124 40435	10µF 20% 50V	3155	4822 051 10103	10k 2% 0,25W
2511	4822 122 31767	150pF 2% 63V				3156	4822 051 10008	0Ω 5% 0,25W
2514	4822 122 31961	68pF 2% 63V				3157 ▲	4822 050 21003	10k 1% 0,6W
2515	4822 122 31961	68pF 2% 63V				3158	4822 051 10122	1k2 2% 0,25W
			■■■					
2517	5322 121 42498	680nF 5% 63V	3001 ▲	4822 052 10229	22Ω 5% 0,33W	3159 ▲	4822 052 11208	2Ω 5% 0,5W
2520	4822 122 32891	68nF 10% 63V	3002	4822 051 10272	2k7 2% 0,25W	3160	4822 051 10689	68Ω 2% 0,25W
2522	4822 122 31746	1000pF 2% 63V	3004	4822 051 10008	0Ω 5% 0,25W	3161	4822 051 10689	68Ω 2% 0,25W
2523	4822 122 31746	1000pF 2% 63V	3005	4822 051 10008	0Ω 5% 0,25W	3162	4822 051 10104	100k 2% 0,25W
2524 ▲	4822 126 11382	1nF 10% 1KV	3005	4822 051 10102	1k 2% 0,25W	3163 ▲	4822 052 11208	2Ω 5% 0,5W
2526 ▲	4822 122 32442	10nF 50V	3010	4822 051 10008	0Ω 5% 0,25W	3169	4822 051 10621	620Ω 2% 0,25W
2530 ▲	4822 124 80096	47µF 200V	3010	4822 051 10569	56Ω 2% 0,25W	3170	4822 051 10473	47k 2% 0,25W
2532	4822 122 31177	470pF 10% 500V	3011	4822 051 10562	5k6 2% 0,25W	3171 ▲	4822 116 52283	4k7 5% 0,5W
2533	4822 122 31981	33nF 50V	3012	4822 051 10562	5k6 2% 0,25W	3172	4822 051 10472	4k7 2% 0,25W
2534 ▲	4822 126 11524	1,5nF 10% 1KV	3015 ▲	4822 052 10109	10Ω 5% 0,33W	3173	4822 051 10621	620Ω 2% 0,25W
2540	4822 124 41677	680µF 20% 25V	3015 ▲	4822 052 10159	15Ω 5% 0,33W	3175	4822 051 10102	1k 2% 0,25W
2545	4822 124 40769	4,7µF 20% 100V	3016	4822 116 52245	150k 5% 0,5W	3251	4822 051 10162	1k6 2% 0,25W
2547	4822 122 31746	1000pF 2% 63V	3017	4822 116 52256	2k2 5% 0,5W	3252	4822 051 10911	910Ω 2% 0,25W
2550	4822 121 42786	33 nF 2% 100V	3018	4822 051 10103	10k 2% 0,25W	3253	4822 051 10751	750Ω 2% 0,25W
2553	4822 122 31727	470pF 2% 63V	3019	4822 051 10181	180Ω 2% 0,25W	3261	4822 051 10008	0Ω 5% 0,25W
2554	4822 122 31174	2,7nF 10% 500V	3019	4822 051 10562	5k6 2% 0,25W	3269	4822 051 10008	0Ω 5% 0,25W
2555	4822 126 11544	22000pF 63V	3021	4822 100 11823	47k 30% 0,1W	3289	4822 051 10221	220Ω 2% 0,25W
2556	4822 122 31784	4,7nF 10% 50V	3022	4822 051 10473	47k 2% 0,25W	3290	4822 051 10104	100k 2% 0,25W
2557	4822 122 31784	4,7nF 10% 50V	3023	4822 051 10224	220k 2% 0,25W	3291	4822 116 52296	6k8 5% 0,5W
2560	4822 124 41677	680µF 20% 25V	3024	4822 051 10472	4k7 2% 0,25W	3293	4822 051 10008	0Ω 5% 0,25W
2561	5322 124 41431	22µF 20% 35V	3025	4822 051 10332	3k3 2% 0,25W	3296 ▲	4822 052 10109	10Ω 5% 0,33W
2562	4822 122 31727	470pF 2% 63V	3026	4822 051 10101	100Ω 2% 0,25W	3297	4822 051 10101	100Ω 2% 0,25W
2563	4822 122 31727	470pF 2% 63V	3027	4822 051 10221	220Ω 2% 0,25W	3298	4822 051 10101	100Ω 2% 0,25W
2573	4822 122 31772	47pF 2% 63V	3028	4822 051 10152	1k5 2% 0,25W	3299	4822 051 10101	100Ω 2% 0,25W
2602	4822 124 40435	10µF 20% 50V	3029	4822 051 10152	1k5 2% 0,25W	3303	4822 051 10331	330Ω 2% 0,25W
2606	4822 122 31974	820pF 10% 63V	3030	4822 051 10221	220Ω 2% 0,25W	3304	4822 051 10331	330Ω 2% 0,25W
2610	4822 121 41673	220nF 10% 100V	3031	4822 051 10331	330Ω 2% 0,25W	3305	4822 051 51201	120Ω 1% 0,125W
2611	4822 121 41673	220nF 10% 100V	3032	4822 051 10181	180Ω 2% 0,25W	3306	4822 051 10332	3k3 2% 0,25W
2615	4822 122 31765	100pF 2% 63V	3033	4822 051 10182	1k8 2% 0,25W	3307	4822 051 10103	10k 2% 0,25W
2623	4822 124 40242	1µF 20% 63V	3034	4822 051 10103	10k 2% 0,25W	3308	4822 116 52233	10k 5% 0,5W
2624	4822 124 41596	22µF 20% 50V	3035	4822 051 10008	0Ω 5% 0,25W	3309	4822 051 10105	1M 5% 0,25W
2625	4822 122 32765	820pF 2% 63V	3036	4822 051 10008	0Ω 5% 0,25W	3310	4822 051 10561	560Ω 2% 0,25W
2629	4822 124 40435	10µF 20% 50V	3037	4822 051 10008	0Ω 5% 0,25W	3311	4822 051 10102	1k 2% 0,25W
2629	4822 124 41576	2,2µF 20% 50V	3038	4822 051 10393	39k 2% 0,25W	3312	4822 051 10008	0Ω 5% 0,25W
2630	4822 124 41576	2,2µF 20% 50V	3039	4822 051 10393	39k 2% 0,25W	3313	4822 051 10473	47k 2% 0,25W
2651	4822 122 31974	820pF 10% 63V	3043	4822 051 10103	10k 2% 0,25W	3314	4822 051 10682	6k8 2% 0,25W
2658	4822 122 31974	820pF 10% 63V	3044	4822 116 52233	10k 5% 0,5W	3315	4822 051 10473	47k 2% 0,25W
2660	5322 122 31647	1nF 10% 63V	3049	4822 051 10683	68k 2% 0,25W	3316	4822 051 10473	47k 2% 0,25W
2666	4822 124 40433	47µF 20% 25V	3050	4822 051 10332	3k3 2% 0,25W	3317	4822 051 10472	4k7 2% 0,25W
2666 ▲	4822 124 41525	100µF 20% 25V	3051	4822 051 10223	22k 2% 0,25W	3318	4822 051 10472	4k7 2% 0,25W
2669	4822 122 31772	47pF 2% 63V	3054	4822 051 10102	1k 2% 0,25W	3319	4822 051 10681	680Ω 2% 0,25W
2669	5322 122 31842	330pF 2% 63V	3102	4822 051 10008	0Ω 5% 0,25W	3320	4822 100 11824	470Ω 30% 0,1W
2670	4822 122 31965	220pF 2% 63V	3103	4822 051 10008	0Ω 5% 0,25W	3321	4822 116 52256	2k2 5% 0,5W
2676	4822 122 31768	180pF 2% 63V	3116	4822 051 10105	1M 5% 0,25W	3322	4822 051 10008	0Ω 5% 0,25W
2677	4822 122 31769	18pF 2% 63V	3117	4822 051 10152	1k5 2% 0,25W	3350	4822 051 10823	82k 2% 0,25W
2677	4822 122 31971	10pF 2% 63V	3118	4822 051 10682	6k8 2% 0,25W	3351	4822 116 52249	1k8 5% 0,5W
2677	4822 122 32083	8,2pF 5% 50V	3119	4822 051 10681	680Ω 2% 0,25W	3353	4822 051 10473	47k 2% 0,25W
2678	4822 122 31769	18pF 2% 63V	3120	4822 051 10105	1M 5% 0,25W	3353	4822 051 56203	62k 1% 0,125W
2678	4822 122 31971	10pF 2% 63V	3124 ▲	4822 052 10229	22Ω 5% 0,33W	3354	4822 100 11822	22k 30% 0,1W
2678	4822 122 32083	8,2pF 5% 50V	3127	4822 051 10152	1k5 2% 0,25W	3354	4822 100 11844	100k 30%
2679	4822 122 31839	82pF 2% 63V	3135	4822 051 10621	620Ω 2% 0,25W	3355	4822 116 52267	30k 5% 0,5W
2680	4822 122 31825	27pF 2% 63V	3136	4822 053 11181	180Ω 5% 2W	3356	4822 100 11821	6k8 30% 0,1W
2681	4822 122 31825	27pF 2% 63V	3137	4822 051 10008	0Ω 5% 0,25W	3357	4822 051 20222	2k2 5% 0,1W
2682	4822 122 31765	100pF 2% 63V	3138	4822 051 20222	2k2 5% 0,1W	3358	4822 051 10104	100k 2% 0,25W
2685 ▲	4822 124 41525	100µF 20% 25V	3139	4822 051 10008	0Ω 5% 0,25W	3358	4822 051 10433	43k 2% 0,25W
2686	4822 126 11544	22000pF 63V	3140	4822 051 10008	0Ω 5% 0,25W	3359	4822 051 10272	2k7 2% 0,25W
2690	4822 126 11544	22000pF 63V	3141	4822 051 10332	3k3 2% 0,25W	3360	4822 051 10008	0Ω 5% 0,25W
2695	4822 122 31974	820pF 10% 63V	3142	4822 051 10008	0Ω 5% 0,25W	3362	4822 051 10101	100Ω 2% 0,25W
2696	4822 122 31974	820pF 10% 63V	3143	4822 051 10102	1k 2% 0,25W	3363	4822 051 10008	0Ω 5% 0,25W
2697	4822 122 31974	820pF 10% 63V	3148	4822 051 10273	27k 2% 0,25W	3364	4822 051 10394	390k 2% 0,25W
2698	4822 122 31974	820pF 10% 63V	3149	4822 051 10273	27k 2% 0,25W	3370 ▲	4822 052 11471	470Ω 5% 0,5W
2849	4822 122 31727	470pF 2% 63V	3150	4822 051 10104	100k 2% 0,25W	3401	4822 116 52259	2k4 5% 0,5W
2850	4822 122 31965	220pF 2% 63V	3151	4822 051 10008	0Ω 5% 0,25W	3402 ▲	4822 050 23901	390Ω 1% 0,6W
2852	4822 122 31965	220pF 2% 63V	3152	4822 051 10273	27k 2% 0,25W	3402	4822 116 52222	390Ω 5% 0,5W
2860	4822 122 31784	4,7nF 10% 50V	3153	4822 051 10123	12k 2% 0,25W	3403 ▲	4822 116 52266	3k 5% 0,5W

3403 ▲ 4822 116 52269	3k3 5% 0,5W	3522 4822 053 11569	56Ω 5% 2W	33631 4822 116 52275	360k 5% 0,5W
3403 4822 116 52276	3k9 5% 0,5W	3523 4822 050 24708	4Ω7 1% 0,6W	3635 4822 051 10008	0Ω 5% 0,25W
3404 4822 051 10202	2k 2% 0,25W	3525 4822 053 11209	20Ω 5% 2W	3651 4822 051 10103	10k 2% 0,25W
3404 ▲ 4822 051 10242	2k4 2% 0,25W	3530 4822 115 10114	150Ω 10%	3652 4822 116 52207	1k2 5% 0,5W
3404 4822 051 10432	4k3 2% 0,25W	3533 4822 050 14703	47k 1% 0,4W	3653 4822 116 52207	1k2 5% 0,5W
3405 4822 051 10131	130Ω 2% 0,25W	3533 4822 050 14873	48k7 1% 0,4W	654 4822 051 10102	1k 2% 0,25W
3405 4822 051 10151	150Ω 2% 0,25W	3534 4822 051 10302	3k 2% 0,25W	3655 4822 051 10102	1k 2% 0,25W
3405 4822 051 10159	15Ω 2% 0,25W	3534 4822 051 10332	3k3 2% 0,25W	3656 4822 051 10103	10k 2% 0,25W
3406 4822 051 10123	12k 2% 0,25W	3535 4822 100 11794	1k 10%	3657 4822 051 10683	68k 2% 0,25W
3406 4822 051 10153	15k 2% 0,25W	3544 ▲ 4822 052 10108	1Ω 5% 0,33W	3658 4822 051 10272	2k7 2% 0,25W
3406 4822 051 20183	18k 5% 0,1W	3547 4822 050 11502	1k5 1% 0,4W	3659 4822 051 10911	910Ω 2% 0,25W
3407 4822 051 10223	22k 2% 0,25W	3549 4822 051 10479	47Ω 2% 0,25W	3660 4822 116 52175	100Ω 5% 0,5W
3407 4822 051 20183	18Ω 5% 0,1W	3550 4822 051 10122	1k2 2% 0,25W	3661 4822 050 11002	1k 1% 0,4W
3408 ▲ 4822 053 10681	680Ω 5% 1W	3550 4822 051 10152	1k5 2% 0,25W	3663 4822 051 10151	150Ω 2% 0,25W
3408 4822 116 52259	2k4 5% 0,5W	3551 4822 051 10151	150Ω 2% 0,25W	3663 4822 051 10471	470Ω 2% 0,25W
3409 4822 051 10008	0Ω 5% 0,25W	3552 4822 051 10101	100Ω 2% 0,25W	3664 4822 116 52296	6k8 5% 0,5W
3410 4822 100 11658	330Ω 30% 0,1W	3553 4822 051 10221	220Ω 2% 0,25W	3664 4822 116 52306	9k1 5% 0,5W
3411 4822 050 24308	4Ω3 1% 0,6W	3554 4822 053 11689	68Ω 5% 2W	3665 4822 050 11002	1k 1% 0,4W
3411 ▲ 4822 052 11208	2Ω 5% 0,5W	3555 4822 051 10101	100Ω 2% 0,25W	3666 4822 051 10151	150Ω 2% 0,25W
3411 4822 116 83985	3Ω6 5% 0,33W	3556 4822 051 10681	680Ω 2% 0,25W	3666 4822 051 10471	470Ω 2% 0,25W
3412 4822 050 24308	4Ω3 1% 0,6W	3557 ▲ 4822 053 11271	270Ω 5% 2W	3667 4822 116 52233	10k 5% 0,5W
3412 ▲ 4822 052 10278	2Ω7 5% 0,33W	3558 4822 051 10101	100Ω 2% 0,25W	3668 4822 051 10433	43k 2% 0,25W
3412 4822 116 83984	2Ω7 5% 0,33W	3560 4822 051 10101	100Ω 2% 0,25W	3669 4822 051 10103	10k 2% 0,25W
3413 4822 051 10273	27k 2% 0,25W	3561 ▲ 4822 116 52219	330Ω 5% 0,5W	3670 4822 116 52233	10k 5% 0,5W
3414 4822 051 10008	0Ω 5% 0,25W	3562 4822 051 10271	270Ω 2% 0,25W	3671 4822 051 10103	10k 2% 0,25W
3415 4822 116 52253	2k 5% 0,5W	3563 4822 051 10008	0Ω 5% 0,25W	3672 4822 051 10102	1k 2% 0,25W
3416 4822 116 52253	2k 5% 0,5W	3564 ▲ 4822 052 10109	10Ω 5% 0,33W	3673 4822 051 10103	10k 2% 0,25W
3417 4822 051 10008	0Ω 5% 0,25W	3565 4822 051 10103	10k 2% 0,25W	3674 4822 050 11002	1k 1% 0,4W
3418 4822 051 10008	0Ω 5% 0,25W	3566 4822 051 10123	12k 2% 0,25W	3676 4822 116 52233	10k 5% 0,5W
3419 4822 051 10008	0Ω 5% 0,25W	3567 4822 051 20183	18k 5% 0,1W	3678 4822 051 10008	0Ω 5% 0,25W
3419 4822 051 10101	100Ω 2% 0,25W	3568 4822 053 11122	1k2 5% 2W	3679 4822 051 20222	2k2 5% 0,1W
3440 ▲ 4822 116 52199	68Ω 5% 0,5W	3569 4822 116 52175	100Ω 5% 0,5W	3680 4822 051 10008	0Ω 5% 0,25W
3442 4822 051 10562	5k6 2% 0,25W	3570 4822 116 52257	22k 5% 0,5W	3682 4822 051 10008	0Ω 5% 0,25W
3443 4822 113 80583	4Ω7 10% 5W	3571 ▲ 4822 050 24701	470Ω 1% 0,6W	3683 4822 051 10008	0Ω 5% 0,25W
3444 4822 053 11562	5k6 5% 2W	3572 ▲ 4822 116 52202	82Ω 5% 0,5W	3684 4822 051 10332	3k3 2% 0,25W
3444 ▲ 4822 117 10037	4k7 5% 3W	3573 4822 116 52284	47k 5% 0,5W	3685 4822 051 10332	3k3 2% 0,25W
3445 4822 051 10479	47Ω 2% 0,25W	3574 4822 051 10104	100k 2% 0,25W	3686 4822 051 10102	1k 2% 0,25W
3448 ▲ 4822 052 10108	1Ω 5% 0,33W	3591 4822 051 10008	0Ω 5% 0,25W	3687 4822 051 10102	1k 2% 0,25W
3449 ▲ 4822 052 10108	1Ω 5% 0,33W	3593 4822 051 10008	0Ω 5% 0,25W	3688 4822 051 10225	2M2 5% 0,25W
3451 4822 051 10333	33k 2% 0,25W	3601 4822 116 52233	10k 5% 0,5W	3689 4822 051 10104	100k 2% 0,25W
3452 ▲ 4822 052 10109	10Ω 5% 0,33W	3602 4822 116 52303	8k2 5% 0,5W	3692 4822 050 11002	1k 1% 0,4W
3452 ▲ 4822 052 10159	15Ω 5% 0,33W	3603 4822 050 12403	2,2M 0,125W	3693 4822 116 52284	47k 5% 0,5W
3452 ▲ 4822 052 10478	4Ω7 5% 0,33W	3604 4822 051 10151	150Ω 2% 0,25W	3694 4822 051 10008	0Ω 5% 0,25W
3454 ▲ 4822 052 11102	1k 5% 0,5W	3604 4822 051 10339	33Ω 2% 0,25W	3695 4822 051 10101	100Ω 2% 0,25W
3455 4822 051 10123	12k 2% 0,25W	3605 4822 050 12204	220k 1% 0,4W	3696 4822 051 10101	100Ω 2% 0,25W
3455 4822 051 20183	18k 5% 0,1W	3606 4822 116 52233	10k 5% 0,5W	3697 4822 051 10101	100Ω 2% 0,25W
3456 4822 053 20334	330k 5% 0,25W	3607 4822 051 10332	3k3 2% 0,25W	3698 4822 116 52175	100Ω 5% 0,5W
3456 4822 053 20434	430k 5% 0,25W	3610 4822 051 10153	15k 2% 0,25W	3699 4822 051 10472	4k7 2% 0,25W
3457 4822 113 80573	270Ω 10% 5W	3611 4822 051 10103	10k 2% 0,25W	3850 4822 051 10123	12k 2% 0,25W
3460 4822 051 10103	10k 2% 0,25W	3612 4822 051 10103	10k 2% 0,25W	3851 4822 116 80747	75Ω 5% 0,125W
3460 4822 051 10113	11k 2% 0,25W	3613 4822 051 10123	12k 2% 0,25W	3852 4822 051 10123	12k 2% 0,25W
3465 4822 051 10185	1M8 5% 0,25W	3614 4822 051 10472	4k7 2% 0,25W	3853 4822 116 80747	75Ω 5% 0,125W
3470 ▲ 4822 052 10478	4Ω7 5% 0,33W	3614 4822 051 10473	47k 2% 0,25W	3854 4822 051 10008	0Ω 5% 0,25W
3470 ▲ 4822 052 10828	8Ω2 5% 0,33W	3615 4822 051 10824	820k 2% 0,25W	3855 4822 116 80747	75Ω 5% 0,125W
3501 4822 116 40137	PTC 36Ω 365V	3616 4822 051 10008	0Ω 5% 0,25W	3856 4822 051 10008	0Ω 5% 0,25W
3503 ▲ 4822 053 21475	4M7 5% 0,5W	3616 4822 116 52284	47k 5% 0,5W	3857 4822 051 10008	0Ω 5% 0,25W
3504 ▲ 4822 053 21475	4M7 5% 0,5W	3617 4822 051 10008	0Ω 5% 0,25W	3858 4822 116 80747	75Ω 5% 0,125W
3508 4822 051 10333	33k 2% 0,25W	3617 4822 051 10562	5k6 2% 0,25W	3859 4822 051 10008	0Ω 5% 0,25W
3509 4822 116 52274	36k 5% 0,5W	3618 4822 051 20183	18k 5% 0,1W	3860 4822 051 10471	470Ω 2% 0,25W
3510 4822 051 10333	33k 2% 0,25W	3620 4822 051 10433	43k 2% 0,25W	3862 4822 050 11002	1k 1% 0,4W
3511 4822 051 10102	1k 2% 0,25W	3621 4822 051 10363	36k 2% 0,25W	3865 4822 116 82719	56Ω 5% 0,125W
3513 4822 051 10223	22k 2% 0,25W	3621 4822 051 10393	39k 2% 0,25W	3866 4822 116 82718	18Ω 5% 0,125W
3514 4822 116 52278	390k 5% 0,5W	3622 4822 116 52284	47k 5% 0,5W	3871 4822 116 52215	220Ω 5% 0,5W
3515 4822 051 10471	470Ω 2% 0,25W	3623 4822 116 52257	22k 5% 0,5W	3875 4822 116 52196	51Ω 5% 0,5W
3516 4822 051 10101	100Ω 2% 0,25W	3624 4822 051 10273	27k 2% 0,25W	3876 4822 051 10332	3k3 2% 0,25W
3517 4822 116 52206	120Ω 5% 0,5W	3625 4822 051 10163	16k 2% 0,25W	3878 4822 116 52251	18k 5% 0,5W
3518 4822 051 10224	220k 2% 0,25W	3626 4822 116 52251	18k 5% 0,5W	3879 4822 051 10473	47k 2% 0,25W
3520 4822 051 10184	180k 2% 0,25W	3627 4822 051 10223	22k 2% 0,25W	3880 4822 051 10562	5k6 2% 0,25W
3521 4822 053 11209	20Ω 5% 2W	3628 4822 051 10393	39k 2% 0,25W	3881 4822 051 10103	10k 2% 0,25W
3521 4822 053 11569	56Ω 5% 2W	3630 4822 051 10274	270k 2% 0,25W	3882 4822 051 10752	7k5 2% 0,25W

# Spare parts lists / Stückliste / Liste des pièces

ANUBIS A 10.4

3883	4822 051 10103	10k 2% 0,25W	6053	4822 130 80446	LL4148	7002	4822 209 10892	LA7910			
3901	4822 051 10008	0Ω 5% 0,25W	6054	4822 130 81147	LLZ-F6V2	7015	4822 209 63107	TDA4504B/N1B			
3902	4822 051 10008	0Ω 5% 0,25W	6055	4822 130 80446	LL4148	7027	4822 130 61207	BC848			
			6115	4822 130 80888	BA682	7030	4822 130 61207	BC848			
			6116	4822 130 80888	BA682	7038	4822 130 61207	BC848			
<hr/>											
5010	4822 157 62552	2,2μH	6119	4822 130 80888	BA682	7125	4822 209 63105	TDA3843/V3			
5012	4822 157 63068	0,28μH	6120	4822 130 80888	BA682	7135	4822 209 30278	TDA3827/V3			
5018	4822 526 10494	FERRITE BEAD	6135	4822 130 80883	LLZ-C4V7	7156	4822 130 61207	BC848			
5030	4822 157 60123	6,8μH	6170	4822 130 80888	BA682	7157▲	4822 209 60956	TDA7052/N1			
5032	4822 157 62767	8,2μH	6172	4822 130 80888	BA682	7158	4822 130 61207	BC848			
5040	4822 157 63064	0,19μH	6289	4822 130 80446	BAS32L	7170	4822 130 61207	BC848			
5040	4822 157 63071	0,3μH	6306	4822 130 80954	LLZ-C5V6	7221	4822 209 31714	TDA4661/V2			
5043	4822 157 63069	0,7μH	6370	4822 130 82304	LLZ-F12	7250	4822 209 30011	TDA4650/V4			
5102	4822 157 63524	1,0μH	6415	4822 130 80446	LL4148	7251	4822 130 61207	BC848			
5104	4822 157 63525	0,35μH	6416	4822 130 42488	BYD33D	7255	4822 130 42696	BC818-25			
5106	4822 157 63526	0,34μH	6443	5322 130 31938	BYV27-200	7256	4822 130 61207	BC848			
5138	4822 157 53635	10K 0,75μH 6%	6446	4822 130 32896	BYD33M	7260	4822 209 30389	TDA4510/V8			
5139	4822 157 53635	10K 0,75μH 6%	6447	4822 130 32896	BYD33M	7280	4822 209 63104	TDA3504/V1			
5177	4822 157 52333	100μH	6449	4822 130 42488	BYD33D	7290	4822 130 42134	BC858BR			
5251	4822 320 40235	DELAY LINE	6449	5322 130 32967	BYV26B	7400	4822 209 60955	TDA3653B/N1			
5255	4822 157 53302	1,0μH	6451	4822 130 42488	BYD33D	7440	4822 130 41782	BF422			
5258▲	4822 157 51462	10μH	6452	4822 130 42488	BYD33D	7445	4822 130 42679	BUT11AF			
5259	4822 157 52808	10μH	6453	4822 130 42488	BYD33D	7512	5322 130 42136	BC848C			
5284	4822 157 60141	3,3μH	6470	4822 130 42488	BYD33D	7514▲	4822 130 82034	CNX83A			
5285	4822 157 60141	3,3μH	6502	4822 130 81497	1N4005GP	7515	4822 130 42513	BC858C			
5286	4822 157 60141	3,3μH	6503	4822 130 81497	1N4005GP	7516	5322 130 44349	BC635			
5296▲	4822 157 51462	10μH	6504	4822 130 81497	1N4005GP	7525	4822 130 42679	BUT11AF			
5320	4822 157 52808	10μH	6505	4822 130 81497	1N4005GP	7537	5322 130 60159	BC846B			
5440	4822 157 52983	2N2	6511	4822 130 80446	LL4148	7552	4822 130 42155	BC327A			
5441	4822 146 21116	LOT DRIVER	6513	4822 130 80446	LL4148	7553	5322 130 42012	BC858A			
5443▲	4822 157 51462	10μH	6514	4822 130 80446	LL4148	7554	4822 130 42032	BC337A			
5445▲	4822 140 10406	LOT AT2079/40	6515	4822 130 80446	LL4148	7555	5322 130 60159	BC846			
5447	4822 157 62766	262LYF-0095K	6516	4822 130 80886	LLZ-F22	7556	4822 130 60136	BC856			
5449	4822 156 20966	47μH	6517	4822 130 31456	BZV85-C5V1	7561	4822 130 40823	BD135			
5449	4822 158 10551	27μH	6521	4822 130 42488	BYD33D	7563	5322 130 42012	BC858			
5452	4822 157 51157	3,3μH	6522▲	4822 130 30621	1N4148	7571	4822 130 61207	BC848			
5453▲	4822 157 51462	10μH	6523	4822 130 80446	LL4148	7600	4822 209 32117	TMP47C434N3146			
5454	4822 156 21332	LIN. COIL (21")	6530	4822 130 82033	BYD34J	7600	4822 209 32139	TMP47C834NR132			
5454	4822 157 53205	LIN. C. (14/17")	6537	4822 130 34167	BZX79-F6V2	7600	4822 209 63948	TMP47C434N3122			
5470▲	4822 157 51462	10μH	6540	4822 130 42488	BYD33D	7605	4822 209 73852	PMBT2369			
5500	4822 212 22978	MAINS FILTER	6545	4822 130 42488	BYD33D	7654	4822 130 61207	BC848			
5503	4822 157 53139	4,7μH	6549	4822 130 80446	LL4148	7658	4822 209 73852	PMBT2369			
5515	4822 157 50963	2,2μH	6554	4822 130 42489	BYD33G	7665	4822 130 61207	BC848			
5521	4822 157 51195	1μH	6555	4822 130 82305	LLZ-F18	7670	4822 130 61207	BC848			
5524	4822 157 53542	1μH 2%	6557	4822 130 80887	LLZ-F36	7672	4822 130 61207	BC848			
5525	4822 148 81121	SOP8 TRF	6558	4822 130 80887	LLZ-F36	7674	4822 130 61207	BC848			
5529	4822 157 63411	68μH	6559	4822 130 80887	LLZ-F36	7685	4822 209 62098	ST24C02A			
5530	4822 157 63411	68μH	6562	4822 130 80905	LLZ-F5V1	7686	4822 130 61207	BC848			
5531	4822 158 10551	27μH	6566	4822 130 34174	BZX79-F4V7	7875	4822 130 61207	BC848			
5532	4822 157 51157	3,3μH	6568	4822 130 81147	LLZ-F6V2	7876	4822 130 61207	BC848			
5534	4822 157 62878	3,3μH	6569	4822 130 80446	LL4148	7877	4822 130 61207	BC848			
5540	4822 156 20966	47μH	6570	4822 130 20245	SF0R5D43						
5541	4822 156 20966	47μH	6573	4822 130 80446	LL4148						
5545	4822 157 51195	1μH	6602	4822 130 82037	HZT33						
5554	4822 157 51157	3,3μH	6603	4822 130 80446	LL4148						
5560▲	4822 157 51462	10μH	6604	4822 130 80446	LL4148						
5601▲	4822 157 51462	10μH	6605	4822 130 80446	LL4148						
5652▲	4822 157 51462	10μH	6606	4822 130 80446	LL4148						
5653▲	4822 157 51462	10μH	6658	4822 130 80446	LL4148						
5677	4822 157 53906	47μH	6663▲	4822 209 30563	TLXR5400						
			6679	4822 130 80446	LL4148						
			6698	4822 130 80446	LL4148						
			6849▲	4822 130 30621	1N4148						
			6850	4822 130 80446	LL4148						
			6851	4822 130 80446	LL4148						
			6852	4822 130 80446	LL4148						
			6853	4822 130 80446	LL4148						
			6854	4822 130 80446	LL4148						
			6855	4822 130 80446	LL4148						
			6865▲	4822 130 30621	1N4148						
6014	4822 130 80888	BA682									
6020	4822 130 81223	LLZ-C2V4									
6034	4822 130 80446	LL4148									
6042	4822 130 80888	BA682									
6050▲	4822 130 30621	1N4148									
6051▲	4822 130 30621	1N4148									
6052▲	4822 130 30621	1N4148									

**Picture tube module**

▲ 4822 255 70251 CRT SOCKET

**Various**

1235 ▲ 4822 071 56301 FUSE 630MA



2202	4822 126 11544	22000pF 63V
2204	4822 122 32142	270pF 2% 63V
2206	4822 124 41828	1µF 20% 250V
2217	4822 122 32142	270pF 2% 63V
2230	4822 122 32142	270pF 2% 63V
2237	4822 121 41926	33nF 5% 630V



3202	4822 053 11123	12k 5% 2W
3203	4822 111 50518	1k5 5% 0,5W
3204	4822 051 10229	22Ω 2% 0,25W
3205	4822 051 10621	620Ω 2% 0,25W
3206	4822 051 10112	1k1 2% 0,25W
3207	4822 100 11638	4k7 20% 0,1W
3207	4822 100 20171	2k2 10% 0,05W
3208	4822 051 10008	0Ω 5% 0,25W
3208 ▲	4822 051 10242	2k4 2% 0,25W
3210	4822 051 10332	3k3 2% 0,25W

3211	4822 051 10332	3k3 2% 0,25W
3212	4822 051 10332	3k3 2% 0,25W
3213	4822 100 11637	2k2 20% 0,1W
3214	4822 100 11637	2k2 20% 0,1W
3215	4822 053 11123	12k 5% 2W

3216	4822 111 50518	1k5 5% 0,5W
3217	4822 051 10229	22Ω 2% 0,25W
3218	4822 051 10621	620Ω 2% 0,25W
3219	4822 051 10112	1k1 2% 0,25W
3220	4822 100 11638	4k7 20% 0,1W

3220	4822 100 20171	2k2 10% 0,05W
3221	4822 051 10008	0Ω 5% 0,25W
3221 ▲	4822 051 10242	2k4 2% 0,25W
3222	4822 051 10561	560Ω 2% 0,25W
3224	4822 051 10152	1k5 2% 0,25W

3225	4822 051 10432	4k3 2% 0,25W
3226	4822 051 10112	1k1 2% 0,25W
3226	4822 051 10911	910Ω 2% 0,25W
3227	4822 051 10102	1k 2% 0,25W
3228	4822 053 11123	12k 5% 2W

3229	4822 111 50518	1k5 5% 0,5W
3230	4822 051 10229	22Ω 2% 0,25W
3231	4822 051 10008	0Ω 5% 0,25W
3231 ▲	4822 051 10242	2k4 2% 0,25W
3232	4822 051 10621	620Ω 2% 0,25W

3233	4822 051 10112	1k1 2% 0,25W
3234	4822 100 11638	4k7 20% 0,1W
3234	4822 100 20171	2k2 10% 0,05W
3235 ▲	4822 052 10108	1Ω 5% 0,33W
3236	4822 111 50518	1k5 5% 0,5W

3237	4822 111 50518	1k5 5% 0,5W
------	----------------	-------------

5235	4822 158 10549	12 µH (21")
5235	5322 157 53016	10 µH (14/17")



6205	4822 130 80446	BAS32L
6218	4822 130 80446	BAS32L
6227	4822 130 80446	BAS32L



7205	4822 130 41782	BF422
7218	4822 130 41782	BF422
7225	5322 130 42012	BC858
7227	4822 130 41782	BF422

**Teletext module**

4822 265 40469	CONN. 6P FEM.
4822 265 40471	CONN. 8P FEM.

**Various**

1701	4822 242 81246	27MHz
1702	4822 242 71508	6,00MHz
1710 ▲	4822 071 52501	FUSE 250MA

2701	4822 122 32504	15pF 2% 63V
2702	4822 122 31971	10pF 2% 63V
2703	4822 122 31746	1000pF 2% 63V
2704	4822 122 33496	100nF 10% 63V
2705	4822 122 33496	100nF 10% 63V

2706	4822 122 33496	100nF 10% 63V
2707	4822 122 33496	100nF 10% 63V
2709	4822 126 10324	33pF 2% 63V
2710	4822 126 10324	33pF 2% 63V
2712	4822 122 33496	100nF 10% 63V

2713	4822 122 33496	100nF 10% 63V
2714	4822 122 33496	100nF 10% 63V
2715	4822 122 33496	100nF 10% 63V
2716	4822 122 33496	100nF 10% 63V
2732	4822 122 33496	100nF 10% 63V
2734	4822 124 40435	10µF 20% 50V
2736	4822 122 31766	120pF 2% 63V
2750	4822 124 40177	47µF 20% 10V
2752	4822 124 40177	47µF 20% 10V
2770	4822 124 41584	100µF 20% 10V

3700 ▲	4822 116 52219	330Ω 5% 0,5W
3701 ▲	4822 116 52219	330Ω 5% 0,5W
3702	4822 051 10332	3k3 2% 0,25W
3704	4822 051 10152	1k5 2% 0,25W
3705	4822 051 10273	27k 2% 0,25W

3706	4822 116 52213	180Ω 5% 0,5W
3707	4822 050 11002	1k 1% 0,4W
3709	4822 051 10333	33k 2% 0,25W
3710	4822 051 10103	10k 2% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W

3713	4822 051 10223	22k 2% 0,25W
3714	4822 051 10103	10k 2% 0,25W
3716	4822 051 51201	120Ω 1% 0,125W
3718	4822 116 52208	130Ω 5% 0,5W
3722	4822 051 10122	1k2 2% 0,25W

3723	4822 051 10102	1k 2% 0,25W
3724	4822 051 10332	3k3 2% 0,25W
3725	4822 051 10279	27Ω 2% 0,25W
3726	4822 051 10279	27Ω 2% 0,25W
3728	4822 051 10822	8k2 2% 0,25W

3729	4822 051 10331	330Ω 2% 0,25W
3730	4822 051 10471	470Ω 2% 0,25W
3731	4822 051 10331	330Ω 2% 0,25W
3732	4822 051 10102	1k 2% 0,25W
3733	4822 051 10102	1k 2% 0,25W

3734	4822 051 10681	680Ω 2% 0,25W
3735	4822 051 10561	560Ω 2% 0,25W
3736	4822 051 10473	47k

3757 4822 051 10101 100Ω 2% 0,25W  
 3760 4822 116 52256 2k2 5% 0,5W  
 3761 4822 116 52256 2k2 5% 0,5W  
 3762 4822 116 52175 100Ω 5% 0,5W

3763 4822 051 10101 100Ω 2% 0,25W  
 3765 ▲ 4822 116 52202 82Ω 5% 0,5W  
 3766 ▲ 4822 116 52202 82Ω 5% 0,5W  
 3767 ▲ 4822 116 52202 82Ω 5% 0,5W  
 3768 4822 051 10101 100Ω 2% 0,25W  
 3769 4822 051 10331 330Ω 2% 0,25W  
 3770 4822 051 10101 100Ω 2% 0,25W

## Jumper

4700 4822 051 10008 0Ω 5% 0,25W  
 4703 4822 051 10008 0Ω 5% 0,25W  
 4704 4822 051 10008 0Ω 5% 0,25W  
 4720 4822 051 10008 0Ω 5% 0,25W

5701 4822 157 70386 4,7µH  
 5704 4822 157 60123 6,8µH  
 5734 4822 157 53001 27µH  
 5746 4822 157 60123 6,8µH  
 5747 4822 157 60123 6,8µH  
 5770 4822 157 60123 6,8µH

6704 4822 130 82886 LLZ-F3V0  
 6705 4822 130 80446 LL4148  
 6710 4822 130 81139 LLZ-C3V3  
 6750 4822 130 81227 LLZ-F5V6  
 6751 4822 130 81227 LLZ-F5V6

7700 4822 209 31215 SAA5246AP/H  
 7700 4822 209 32122 SAA5246AP/E/S  
 7701 4822 209 72681 MSM5165AL-12RS  
 7702 4822 209 30281 PCF84C81A/097  
 7702 4822 209 31069 PCF84C81AP/098  
 7702 4822 209 32102 PCF84C81AP/125  
 7710 ▲ 5322 130 41982 BC848B  
 7711 ▲ 5322 130 41982 BC848B  
 7713 5322 130 60159 BC846B  
 7715 ▲ 5322 130 41982 BC848B  
 7731 5322 130 42012 BC858  
 7732 ▲ 5322 130 41982 BC848B  
 7750 4822 130 40855 BC337  
 7751 4822 130 40855 BC337  
 7754 ▲ 5322 130 41982 BC848B  
 7755 ▲ 5322 130 41982 BC848B  
 7765 ▲ 5322 130 41982 BC848B  
 7766 ▲ 5322 130 41982 BC848B  
 7767 ▲ 5322 130 41982 BC848B

## Interface module

4822 265 30497 CONN. 5P MALE  
 4822 264 50148 CONN. 8P MALE  
 4822 267 50591 CONN. 6P MALE



3781 4822 116 52233 10k 5% 0,5W  
 3782 4822 117 10224 12Ω 5% 1W  
 3783 4822 116 52226 560Ω 5% 0,5W  
 3784 4822 116 52226 560Ω 5% 0,5W  
 3785 4822 116 52226 560Ω 5% 0,5W  
 3786 4822 050 11002 1k 1% 0,4W